1. /\* Counts up to 10 \*/
2. /\* Counts up to number given by user \*/
3. /\* Counts by **2** up to number given by user \*/
4. /\* Counts by the first number up to second number given by user \*/
5. /\* Counts by the first number from the second number up to third number given by user \*/
6. /\* Finds the minimum of 10 numbers given by user \*/
7. /\* Finds the average of 10 numbers given by user \*/
8. /\* Print a 4x6 rectangle with asterisk \*/
9. /\* Print a 4x6 rectangle with asterisk \*/
	1. /\* Use a for loop for the rows \*/
10. /\* Print a 4x6 rectangle with asterisk \*/
	1. /\* Use a for loop for the rows \*/
	2. /\* Use another for loop for the columns \*/
11. /\* Print a nxm rectangle with asterisk \*/
	1. /\* where n and m are given by the user \*/
	2. /\* Use a for loop for the rows \*/
	3. /\* Use another for loop for the columns \*/
12. /\*Print a right triangle \*/
13. /\*Find out if a number given is a prime number or not \*/
14. /\*List all prime numbers up to given number \*/

/\* Counts up to 10 \*/

#include <stdio.h>

int main(void) {

 int i;

 for(i = 1; i <= 10; i++) {

 printf("%d ", i);

 }

 return(0);

}

=============================================================================

/\* Counts up to number given by user \*/

#include <stdio.h>

int main(void) {

 int i, n;

 printf("Please enter an integer: ");

 scanf("%d", &n);

 for(i = 1; i <= n; i++) {

 printf("%d ", i);

 }

 return(0);

}

=============================================================================

/\* Counts by **2** up to number given by user \*/

#include <stdio.h>

int main(void) {

 int i, n;

 printf("Please enter an integer: ");

 scanf("%d", &n);

 for(i = 1; i <= n; i+=2) {

 printf("%d ", i);

 }

 return(0);

}

/\* Counts by the first number up to second number given by user \*/

#include <stdio.h>

int main(void) {

 int i, n, By;

 printf("Please enter an integer to Count by: ");

 scanf("%d", &By);

 printf("Please enter an integer to Count to: ");

 scanf("%d", &n);

 for(i = 1; i <= n; i+=By) {

 printf("%d ", i);

 }

 return(0);

}

=============================================================================

/\* Counts by the first number from the second number up to third number given by user \*/

#include <stdio.h>

int main(void) {

 int i, From, To, By;

 printf("Please enter an integer to Count by:\t");

 scanf("%d", &By);

 printf("Please enter an integer to Count from:\t");

 scanf("%d", &From);

 printf("Please enter an integer to Count to:\t");

 scanf("%d", &To);

 for(i = From; i <= To; i+=By) {

 printf("%d ", i);

 }

 return(0);

}

/\* Finds the minimum of 10 numbers given by user \*/

#include <stdio.h>

int main(void) {

 int i, Num, Min;

 printf("Please enter number 1: ");

 scanf("%d", &Min);

 for(i = 2; i <= 10; i++) {

 printf("Please enter number %d: ", i);

 scanf("%d", &Num);

 if(Num < Min) Min = Num;

 }

 printf("The minimum is %d\n", Min);

 return(0);

}

=============================================================================

/\* Finds the average of 10 numbers given by user \*/

#include <stdio.h>

int main(void) {

 int i, Num, Sum = 0;

 double Ave;

 for(i = 1; i <= 10; i++) {

 printf("Please enter number %d: ", i);

 scanf("%d", &Num);

 Sum += Num;

 }

 Ave = 1.0 \* Sum / 10;

 printf("The average is %.2f\n", Ave);

 return(0);

}

/\* Print a 4x6 rectangle with asterisk \*/

#include <stdio.h>

int main(void) {

 printf("\*\*\*\*\*\*\n"); /\* row 1 \*/

 printf("\*\*\*\*\*\*\n"); /\* row 2 \*/

 printf("\*\*\*\*\*\*\n"); /\* row 3 \*/

 printf("\*\*\*\*\*\*\n"); /\* row 4 \*/

 return(0);

}

=============================================================================

/\* Print a 4x6 rectangle with asterisk \*/

/\* Use a for loop for the rows \*/

#include <stdio.h>

int main(void) {

 int i; /\* row count \*/

 for(i=1; i<=4; i++) printf("\*\*\*\*\*\*\n");

 return(0);

}

=============================================================================

/\* Print a 4x6 rectangle with asterisk \*/

/\* Use a for loop for the rows \*/

/\* Use another for loop for the columns \*/

#include <stdio.h>

int main(void) {

 int i; /\* row count \*/

 int j; /\* column count \*/

 for (i=1; i<=4; i++) {

 for (j=1; j<=6; j++) {

 printf("\*");

 }

 printf("\n");

 }

 return(0);

}

/\* Print a nxm rectangle with asterisk \*/

/\* where n and m are given by the user \*/

/\* Use a for loop for the rows \*/

/\* Use another for loop for the columns \*/

#include <stdio.h>

int main(void) {

 int i; /\* row count \*/

 int j; /\* column count \*/

 int N; /\* Number of rows \*/

 int M; /\* Number of columns \*/

 printf("Please enter the number of rows: ");

 scanf("%d", &N);

 printf("Please enter the number of columns: ");

 scanf("%d", &M);

 for (i=1; i<=N; i++) { /\* Rows \*/

 for (j=1; j<=M; j++) { /\* Columns \*/

 printf("\*");

 }

 printf("\n");

 }

 return(0);

}

=============================================================================

/\*Print a right triangle \*/

#include <stdio.h>

int main(void) {

 int i, j; /\* Loop Counter \*/

 int N; /\* Number given \*/

 printf("Please enter the number: ");

 scanf("%d", &N);

 for(i=1; i<=N; i++) {

 for (j=1; j<=i; j++) {

 printf("\*");

 }

 printf("\n");

 }

 return(0);

}

/\*Find out if a number given is a prime number or not \*/

#include <stdio.h>

int main(void) {

 int i; /\* Loop Counter \*/

 int N; /\* Number given \*/

 int P = 1; /\* 1 means prime, 0 means nonprime \*/

 printf("Please enter the number: ");

 scanf("%d", &N);

 for (i=2; i<N; i++) {

 if(N%i == 0) {

 P = 0;

 break;

 }

 }

 if(P == 1) printf("%d is prime\n", N);

 else printf("%d is not prime\n", N);

 return(0);

}

=============================================================================

/\*List all prime numbers up to given number \*/

#include <stdio.h>

int main(void) {

 int i, j; /\* Loop Counter \*/

 int N; /\* Number given \*/

 int P; /\* 1 means prime, 0 means nonprime \*/

 printf("Please enter the number: ");

 scanf("%d", &N);

 for(j=2; j<N; j++) {

 P = 1;

 for (i=2; i<j; i++) {

 if(j%i == 0) {

 P = 0;

 break;

 }

 }

 if(P == 1) printf("%d is prime\n", j);

 }

 return(0);

}