1) **Calculate the sum of numbers (10 numbers max) & If the user enters a negative number, the loop terminates.**

#include <stdio.h>

int main()

{

int n,i, sum=0;

printf("enter the values: \n");

for (i=0; i<10; i++){

scanf("%d", &n);

if(n<0){

break;

}

else{

sum += n;

}

}

printf("%d", sum);

return 0;

}

2. **Calculate the sum of numbers (10 numbers max) & If the user enters a negative number, it's not added to the result.**

#include <stdio.h>

int main()

{

int n,i, sum=0;

printf("enter the values: \n");

for (i=0; i<10; i++){

scanf("%d", &n);

if(n<0){

continue;

}

else{

sum += n;

}

}

printf("%d", sum);

return 0;

}

3) **Take input from the user until he/she enters zero. (Using Break)**

#include <stdio.h>

int main()

{

int n,i;

printf("enter number \n");

scanf("%d", &n);

printf("enter the values: \n");

while(n>0){

scanf("%d", &n);

}

return 0;

}

4**) Check whether the given number is prime or not. (Using Break)**

#include <stdio.h>

int main()

{

int n,i, temp=0;

printf("enter a number: \n");

scanf("%d", &n);

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

if(n%i == 0){

temp = 1;

break;

}

}

if(n == 1){

printf("1 is special number");

}

else{

if(temp == 0){

printf("%d is prime!", n);

}

else{

printf("%d is not a prime number", n);

}

}

return 0;

}

5) **Print sum of odd numbers between 0 and 10. (Using Continue)**

#include <stdio.h>

int main()

{

int i, number, sum = 0;

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

printf("Enter a n%d: ", i);

scanf("%d", &number);

if (number%2==0) {

continue;

}

sum += number;

}

printf("Sum = %d", sum);

return 0;

}

6) **Check whether the given number is prime or not.(Using Continue)**

#include <stdio.h>

int main()

{

int n,i, temp=0;

printf("enter a number: \n");

scanf("%d", &n);

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

if(n%i == 0){

temp = 1;

continue;

}

}

if(n == 1){

printf("1 is special number");

}

else{

if(temp == 0){

printf("%d is prime!", n);

}

else{

printf("%d is not a prime number", n);

}

}

return 0;

}

**7) Print all even numbers from 1 to 100. (Using Continue)**

#include <stdio.h>

int main()

{

int n, i;

printf("the even numbers between 100 are:\n");

for(i=0; i<100; i++){

if(i%2 != 0){

continue;

}

printf("%d ", i);

}

return 0;

}

8**) Print numbers from 1 to 10 using goto statement. (Using goto)**

#include<stdio.h>

int main()

{

int i=1;

start:

printf("%d\t",i);

i++;

if(i<=10) goto start;

return 0;

}

9) **Program to calculate the sum and average of positive numbers, If the user enters a negative number, the sum and average are displayed. (Using goto)**

#include<stdio.h>

int main() {

const int range = 100;

int i, n;

double average, sum = 0.0;

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

printf("%d. Enter a number: ", i);

scanf("%d", &n);

if (n < 0) {

goto print;

}

sum += n;

}

print:

average = sum / (i - 1);

printf("Sum = %.2f\n", sum);

printf("Average = %.2f", average);

return 0;

}

**10) Check if a number is even or not. (Using goto)**

#include<stdio.h>

#include<stdlib.h>

int main() {

int i, n;

printf(" Enter a number: ");

scanf("%d", &n);

if (n %2 ==0) {

goto even;

}

else{

goto odd;

}

even:

printf("%d is even", n);

exit(0);

odd:

printf("%d is odd", n);

return 0;

}