Experiment 1: WAP to enter numbers till the user wants. At the end, it should display the count of positive, negative, and Zeroes entered.

Coding

#include<stdio.h>

main()

{

//count=c

int i, num, c\_p=0, c\_n=0, c\_z=0;

int arr[100];

printf("Enter Number: ");

scanf("%d", &num);

for (i=0;i<num;++i)

{

scanf("%d", &arr[i]);

}

for(i=0;i<num;++i)

{

if(arr[i]>0)

{

++c\_p;

}

else if(arr[i]<0)

{

++c\_n;

}

else if(arr[i]==0)

{

++c\_z;

}

else

{

printf("Wrong Entry\n");

break;

}

}

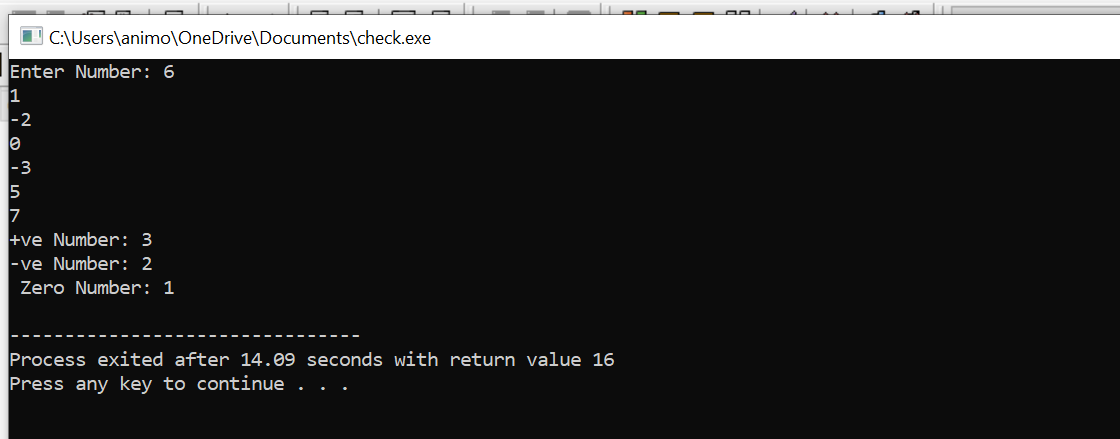
printf("+ve Number: %d\n", c\_p);

printf("-ve Number: %d\n", c\_n);

printf(" Zero Number: %d\n", c\_z);

}

**Output**



Experiment 2: WAP to print the multiplication table of the number entered by the user. It should be in the correct formatting.

Num \* 1 = Num

Coding

#include<stdio.h>

main()

{

int i,num;

printf("Enter Any Number: ");

scanf("%d",&num);

printf("\nTable For The Given Number: ");

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

{

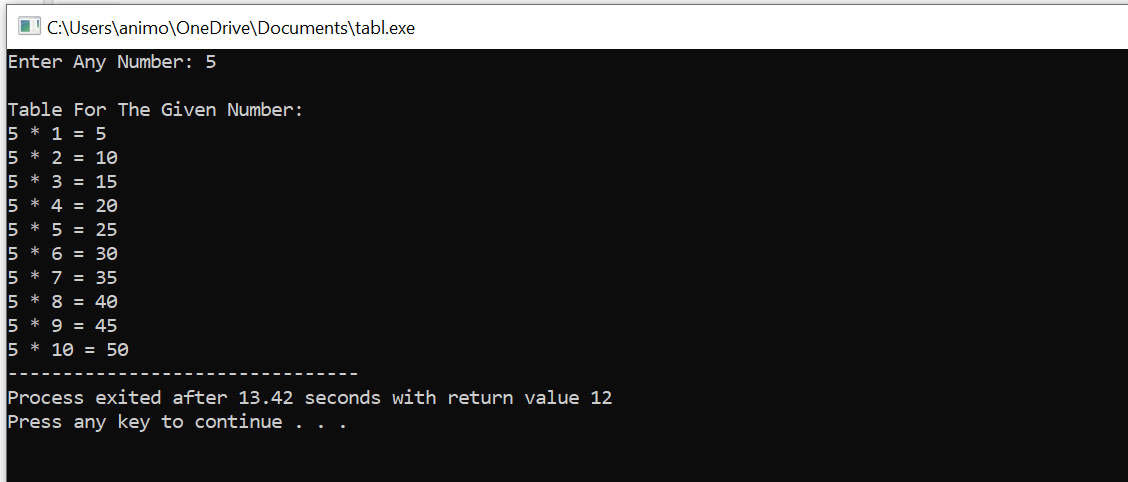
printf("\n%d \* %d = %d",num,i,num\*i);

}

return 0;

}

**Output**



**Experiment 3: WAP to generate the following set of output.**

1. **1**

**2 3**

**4 5 6**

Coding

#include<stdio.h>

int main()

{

int i,j,k=1;

for(i=1;i<=3;i++)

{

for(j=3;j>=1;j--)

{

if(j>i)

printf("");

else

printf("%d", k++);

}

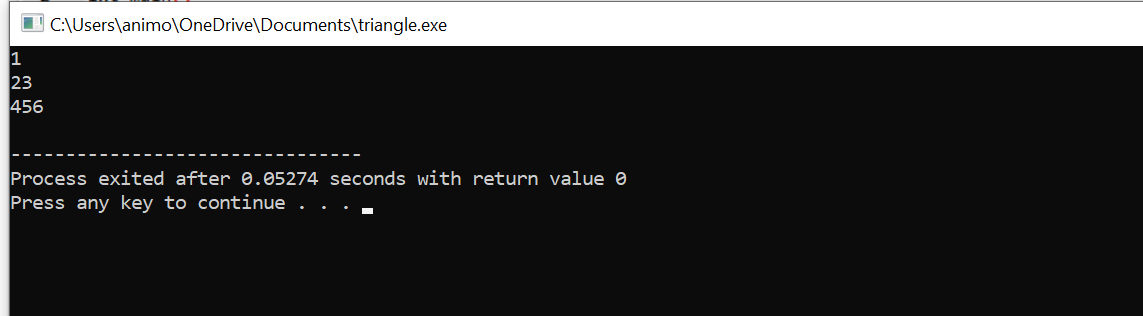
printf("\n");

}

return 0;

}

**Output**



1. **1**

**1 1**

**1 2 1**

**1 3 3 1**

**1 4 6 4 1**

Coding

#include<stdio.h>

int main()

{

//row=r, coloumn=c

int val=1,r,c;

{

for(r=0;r<5;r++)

{

for(c=0;c<=r;c++)

{

if(r==0 || c==0)

val=1;

else

val=val\*(r-c+1)/c;

printf("%5d", val);

}

printf("\n");

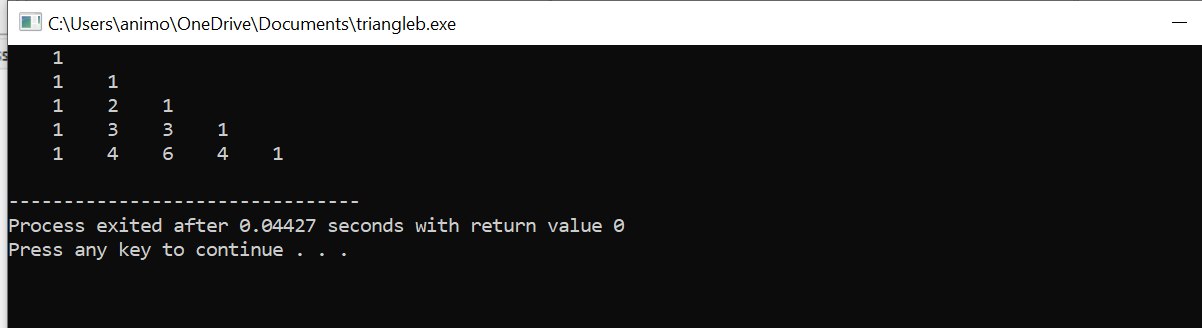
}

}

return 0;

}

**Output**



**Experiment 4: The population of a town is 100000. The population has increased steadily at the rate of 10% per year for the last 10 years. Write a program to determine the population at the end of each year in the last decade.**

Coding

#include<stdio.h>

int main()

{

int i , population=100000;

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

{

population = population - population\*0.1;

printf("%d year: %d\n", i,population);

}

return 0;

}

**Output**

