**ASSIGNMENT-2**

**Q1.Given below is the list of marks obtained by a class of 50 students in an annual examination**

**43,65,51,28,45,69,85,78,26,65,14,96,35,48,25,35,85,47,45,1,25,36,92,43,61,75,15,13,18,25,45,86,21,35,98,86,24,26,27,23,28,24,29**

**Write a program to count the number of students belonging to each of the following group**

**0-9,10-19,20-29,………..100**

#include<stdio.h>

int main()

{ int a,b,c,d,e,f,g,h,i2,j;

a=b=c=d=e=f=g=h=i2=j=0;

int arr[43]={43,65,51,28,45,69,85,78,26,65,14,96,35,48,25,35,85,47,45,1,25,36,92,43,61,75,15,13,18,25,45,86,21,35,98,86,24,26,27,23,28,24,29};

for(int i=0;i<43;i++)

{

if(arr[i]>=0&&arr[i]<=9)

{

a++;

}else if(arr[i]>=10&&arr[i]<=19)

{

b++;

}else if(arr[i]>=20&&arr[i]<=29)

{

c++;

}else if(arr[i]>=30&&arr[i]<=39)

{

d++;

}else if(arr[i]>=40&&arr[i]<=49)

{

e++;

}else if(arr[i]>=50&&arr[i]<=59)

{

f++;

}else if(arr[i]>=60&&arr[i]<=69)

{

g++;

}else if(arr[i]>=70&&arr[i]<=79)

{

h++;

}else if(arr[i]>=80&&arr[i]<=89)

{

i2++;

}else if(arr[i]>=90 && arr[i]<=100)

{

j++;

}

else

return 0;

}

printf("\nNo. of students having marks in 0-9 group=%d",a);

printf("\nNo. of students having marks in 10-19 group=%d",b);

printf("\nNo. of students having marks in 20-29 group=%d",c);

printf("\nNo. of students having marks in 30-39 group=%d",d);

printf("\nNo. of students having marks in 40-49 group=%d",e);

printf("\nNo. of students having marks in 50-59 group=%d",f);

printf("\nNo. of students having marks in 60-69 group=%d",g);

printf("\nNo. of students having marks in 70-79 group=%d",h);

printf("\nNo. of students having marks in 80-89 group=%d",i2);

printf("\nNo. of students having marks in 90-100 group=%d",j);

}

**Output-**

