# **Practical 05**

Section B

01)

int main() {

int num[10],a,p=0,n=0,z=0;

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

printf("Enter a number");

scanf("%d",&num[a]);

if(num[a]==0) {

z++;

}

else if(num[a]>0) {

p++;

}

else if(num[a]<0) {

n++;

}

printf("\n");

printf("\n\n positive count is: %d\n",p);

printf("negative count is: %d\n",n);

printf("zeros count is: %d\n",z);

}

02)

#include <stdio.h>

int main()

{

int a,m[10],max,min,sum=0;

float avg=0;

for(a=0;a<10;a++)

{

printf("Enter marks");

scanf("%d",&m[a]);

sum+=m[a];

}

avg=sum/10;

max=m[0];

min=m[0];

for(a=0;a<10;a++)

{

if(max<m[a])

{

max=m[a];

}

if(min>m[a]);

{

min=m[a];

}

}

printf("\n");

printf("Maximum is: %d\n",max);

printf("Minimum is: %d\n",min);

printf("Avarage is: %.2f\n",avg);

}

03)

#include <stdio.h>

int main()

{

int a,p[10],sum=0,ab=0;

float avg;

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

printf("Enter price of the product");

scanf("%d",&p[a]);

sum+=p[a];

}

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

if(200<p[a]) {

ab++;

}

avg=sum/10;

printf("\n");

printf("Avarage is: %.2f\n",avg);

printf("Products above Rs.200: %d\n",ab);

}

04)

#include <stdio.h>

int main()

{

int a,empno,count=0;

float bsal;

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

printf("Enter a Employee number");

scanf("%d",&empno);

printf("Enter basic salary");

scanf("%f",&bsal);

if(empno==-999)

{

break;

}

if(bsal>=5000)

{

count++;

}

}

printf("Empolyees more >=5000 basic salary: %d",count);

}

05)

#include <stdio.h>

int main()

{

int a,empno,hw,nr=150,otr=200,mh=40,oth,exceed=0,amount=4000,count=0;

float otp,per;

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

{

printf("Emp number");

scanf("%d",&empno);

printf("Hours worked");

scanf("%d",&hw);

otp=0;

if(hw>mh)

{

oth=hw-mh;

otp=(oth\*otr)+((mh-oth)\*nr);

}

else

{

otp=hw\*nr;

}

printf("Emp no: %d\n",empno);

printf("Over time payment: %.2f\n",otp);

if(otp>amount)

{

exceed++;

}

count++;

}

per=exceed/count\*100;

printf("Percentage of employees ot payment more than Rs.4000 %.2f\n",per);

}