# **Practical 05**

01)(Using while)

#include <stdio.h>

int main()

{

int a;

while(a<=100)

{

printf("%d \n",a);

a++;

}

}

(Using Do While)

#include <stdio.h>

int main()

{

int a;

do

{

printf("%d \n",a);

a++;

}while(a<=100);

}

(Using for)

#include <stdio.h>

int main()

{

int a;

for(a=0;a<=100;a++)

printf("%d\n",a);

}

02)

#include <stdio.h>

int main()

{

int a,m=0,sum=0;

float avg;

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

printf("Enter a number");

scanf("%d",&m);

sum=sum+m;

}

avg=sum/10;

printf("Sum is %d \n",sum);

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

if(avg>50)

{

printf("PASS!");

}

else

printf("FAIL!");

}

03)

#include <stdio.h>

int main()

{

int a,num,fac=1;

printf("Enter a number");

scanf("%d",&num);

for(a=num;a>0;a--)

{

fac=fac\*a;

}

printf("The factorial of the %d is %d",num,fac);

}