OBJECTIVE:

Write a menu driven program that takes input of any two number &perform following option: Addition,subtraction ,multiplication,division,factorial by using 1st type of function.

SOURCE CODE:

```c
#include<stdio.h>
#include<conio.h>
void add(void);
void sub(void);
void mult(void);
void divi(void);
void fact(void);
void main(void)
{
clrscr();
int a;
printf("Press 1 for Addition\n");
printf("Press 2 for Subtraction\n");
printf("Press 3 for Multiplication\n");
printf("Press 4 for Division\n");
printf("Press 5 for factorial\n");
printf("\nEnter case no=");
scanf("%d",&a);
switch(a)
{
case 1:
add();
break;
case 2:
sub();
break;
case 3:
mult();
break;
case 4:
divi();
break;
case 5:
```

```c
fact();
break;
default:
printf("Error!");
}
getch();
}
void add(void)
{
int a,b;
printf("Enter 1st No=");
scanf("%d",&a);
printf("Enter 2nd No=");
scanf("%d",&b);
printf("answer is =%d",a+b);
}
void sub(void)
{
int a,b;
printf("Enter 1st No=");
scanf("%d",&a);
printf("Enter 2nd No=");
scanf("%d",&b);
printf("answer is =%d",a-b);
}
void mult(void)
{
int a,b;
printf("Enter 1st No=");
scanf("%d",&a);
printf("Enter 2nd No=");
scanf("%d",&b);
printf("answer is =%d",a*b);
}
void divi(void)
{
float a,b;
printf("Enter 1st No=");
scanf("%f",&a);
printf("Enter 2nd No=");
scanf("%f",&b);
printf("answer is =%.1f",a/b);
}
void fact(void)
{
int fact=1,a,b;
printf("Enter No=");
scanf("%d",&a);
```

```
for(b=a;b>=1;b--)
fact=fact*b;
printf("factorial is=%d",fact);
}
```

OUTPUT:

```
Press 1 for Addition
Press 2 for Subtraction
Press 3 for Multiplication
Press 4 for Division
Press 5 for factorial

Enter case no=3
Enter 1st No=9
Enter 2nd No=9
answer is =81
```

```
Press 1 for Addition
Press 2 for Subtraction
Press 3 for Multiplicatior
Press 4 for Division
Press 5 for factorial

Enter case no=5
Enter No=5
factorial is=120_
```