

# FILE LAB : 9

## TASK: 2

SE-2017-11313

### OBJECTIVE:

Write a program should print the table of the sum of two number by using 2<sup>nd</sup> type function.

### SOURCE CODE:

```
#include<stdio.h>
#include<conio.h>
void mul(int,int);
void sub(int,int);
void div(int,int);
void fact(int);
void add(int,int);
void table(int,int,int,int);
void main(void)
{
clrscr();
int a,b,c,d;
printf("Enter 2 values(Note.For factorial the first values will be
considered =");
scanf("%d %d",&b,&c);
printf("Enter a command with its option
number\n1)Add\n2)Sub\n3)Div\n4)Multiply\n5)Factorial\n");
scanf("%d",&a);

switch(a)
{
case 1:
add(b,c); break;
case 2:
sub(b,c); break;
case 3:
div(b,c); break;
case 4:
mul(b,c); break;
case 5:
fact(b); break;
case 6:
table(a,b,c,d); break;
default:
printf("error");
```

# FILE LAB : 9

## TASK: 2

SE-2017-11313

```
}
getch();
}
void add(int x,int y)
{
    printf("Answer is: %d",x+y);
}
void sub(int x,int y)
{
    printf("Answer is: %d",x-y);
}
void div(int x,int y)
{
    printf("Answer is: %d",x/y);
}
void mul(int x,int y)
{
    printf("Answer is: %d",x*y);
}
void fact(int x)
{ int fact=1,y;
  for(y=x;y>=1;y--)
    fact=fact*y;
  printf("Answer is: %d",fact);
}
void table(int,int,int,int)
{
  int a,b,c,d=1;
  printf("first number: ");
  scanf("%d",&a);
  printf("srcond number: ");
  scanf("%d",&b);
  for(c=1;c<=10;c++)
  {
    printf("%d*%d=%d\n",a+b,d,(a+b)*d);
    d++;
  }
}
```

FILE LAB : 9  
TASK: 2

SE-2017-11313

OUTPUT:

```
Enter 2 values(Note.For factorial the first values will be considered =6
6
Enter a command with its option number
1)Add
2)Sub
3)Div
4)Multiply
5)Factorial
6)Table
6
first number: 6
srcond number: 2
8*1=8
8*2=16
8*3=24
8*4=32
8*5=40
8*6=48
8*7=56
8*8=64
8*9=72
8*10=80
```