

Practical 3

1)

```
#include<stdio.h>
int main()
{
    int n1,n2,max;
    printf("Enter two numbers :- ");
    scanf("%d%d",&n1,&n2);
    if(n1>n2)
        max=n1;
    else
        max=n2;
    printf("%d is the highest value",max);
}
```

2)

```
#include<stdio.h>
int main()
{
    int n1,n2,n3,max,min;
    printf("Enter three numbers:=");
    scanf("%d %d %d",&n1,&n2,&n3);
    if(n1>n2&&n1>n3)
        max=n1;
    else if(n2>n1&&n2>n3)
        max=n2;
    else
        max=n3;
    printf("The largest value is %d\n",max);
    if(n1<n2&&n1<n3)
        min=n1;
    else if(n2<n1&&n2<n3)
        min=n2;
    else
        min=n3;
    printf("The smallest value is %d\n",min);
}
```

3)

```
#include<stdio.h>
int main()
{
    float bs,ns;
    char empname[20];
    printf("Enter employ name and basic salary:- ");
    scanf("%s%f",&empname,&bs);
    if(bs>=10000)
        ns=bs*0.15+bs;
    else if(bs>=5000)
        ns=bs*0.10+bs;
    else
        ns=bs*0.05+bs;
    printf("%s has a new salary of %.2f",empname,ns);
}
```

4)

```
#include<stdio.h>
int main()
{
    float r;
    printf("Enter the value of the radius of the circle:- ");
    scanf("%f",&r);
    printf("The diameter is %.2f\n",r*2.0);
    printf("The circumference is %.2f\n",r*2.0*3.14);
    printf("The area is %.2f",r*r*3.14);
}
```

5)

```
#include<stdio.h>
int main()
{
    int n1,n2,mod;

    printf("Enter two numbers:- ");
    scanf("%d%d",&n1,&n2);
    mod=n1%n2;
    if(mod=0)
        printf("%d is a multiple of %d",n1,n2);
    else
        printf("%d is not a multiple of %d",n1,n2);
}
```

6)

```
#include<stdio.h>
int main()
{
    char value;

    printf("Enter a value = ");
    scanf("%c", &value);
    printf("Integer value of %c = %d\n", value, value);
}
```

7)

```
#include<stdio.h>
int main()
{
    float BS,TS,bs,AS1,AS2;
    char input1[5],input2[5];

    printf("What is your basic salary ");
    scanf("%f", &BS);
    if(BS>=50000)
        bs=BS*0.10;
    else if(BS>=25000)
        bs=BS*0.12;
    else
        bs=BS*0.15;
    printf("Do you have a experience of 5 years? ");
    scanf("%s",&input1);
    if(input1=='yes')
        AS1=BS*0.10;
    printf("What is the city you are working at? If Colombo input c ");
    scanf("%s",&input2);
    if(input2=='c')
        AS2=2500;
    TS=BS+AS1+AS2+bs;
    printf("Your gross monthly remuneration is %f",TS);
}
```