PRACTICAL 03

01.

```c
 #include <stdio.h>
#include <stdlib.h>

int main()
{
    int n1,n2,max;
    printf("Enter two numbers.");
    scanf("%d%d",&n1,&n2);

    if (n1>n2);
    max=n1;
    if (n2>n1);
    max=n2;

    printf("The highest is %d\n",max);

    return 0;
}
```

02.

```c
#include <stdio.h>
int main()
{
    float n1,n2,n3;
    printf("Enter three numbers.\n");
    scanf("%f %f %f",&n1,&n2,&n3);
    if(n1<n2 && n1<n3){
        printf("\n%.2f is smallest.",n1);
    }
    else if(n2<n3){
        printf("\n%.2f is smallest.",n2);
    }
    else{
        printf("\n%.2f is smallest.",n3);
    }
    if(n1>n2 && n1>n3){
        printf("\n%.2f is largest.",n1);
    }
    else if(n2>n3){
        printf("\n%.2f is largest.",n2);
    }
    else{
        printf("\n%.2f is largest.",n3);
    }
    return 0;
}
```

03.

```c
#include <stdio.h>
int main()
{
    char employeeName[50];
    double basicSalary, newSalary, increment;

    printf("Enter employee name:");
    scanf("%s",employeeName);

    printf("Enter basicSalary:");
    scanf("%lf", &basicSalary);

    if(basicSalary <5000){
        increment=0.05*basicSalary;
    }
    else if(basicSalary>=5000&& basicSalary<10000){
        increment=0.10*basicSalary;
    }
    else{
        increment=0.15*basicSalary;
    }
    newSalary=basicSalary+increment;

    printf("Employee name:%s\n",employeeName);
    printf("New salary:%.2lf\n",newSalary);

    return 0; }
```

04.

```c
#include <stdio.h>

int main()
{
    float radius;
    float diameter, circumference, area;

    printf("Enter the radius of the circle:");
    scanf("%f",&radius);

    diameter=2*radius;
    circumference=2*3.14159+radius;
    area=3.14159*radius*radius;

    printf("Diameter: %f\n",diameter);
    printf("Circumference: %f\n",circumference);
    printf("Area: %f\n",area);

    return 0;
}
```

05.

```c
#include <stdio.h>

int main()
{
    int n1,n2

    printf("Enter two integers:");
    scanf("%d%d",&n1,&n2);

    if(n1%n2==0)
        printf("%d is a multiple of %d\n",n1,n2);
    else
        printf("%d is not a multiple of %d\n",n1,n2);

    return 0;
}
```

06.

```c
#include <stdio.h>

int main()
{
    printf("A = %d\n",'A');
    printf("B = %d\n",'B');
    printf("C = %d\n",'C');
    printf("a = %d\n",'a');
    printf("b = %d\n",'b');
    printf("c = %d\n",'c');
    printf("0 = %d\n",'0');
    printf("1 = %d\n",'1');
    printf("2 = %d\n",'2');
    printf("$ = %d\n",'$');
    printf("* = %d\n",'*');
    printf("+ = %d\n",'+');
    printf("/ = %d\n",'/');
    printf("blank character = %d\n",' ');

    return 0;
}
```

07.

```c
#include <stdio.h>

int main()
{
    float basicSalary, additionalAllowance=0,
        bonusPrecentage=0, monthlySales, bonus=0,grossRemuneration;
    printf("Enter the basic salary:");
    scanf("%f",&basicSalary);
    printf("Enter the monthly sales:");
    scanf("%f",&monthlySales);
    if(monthlySales >=0&& monthlySales<=25000)
        bonusPrecentage=10;
    else if (monthlySales > 25000 && monthlySales<=50000)
        bonusPrecentage=12;
    else if(monthlySales>50000)
        bonusPrecentage=15;
    printf("Is the salesman working in colombo?(Y/N):");
    char location;
    scanf("%c",&location);
    if(location=='y')
        additionalAllowance=2500;
    printf("Enter the number of years of service;");
    int yearsOfService;
    scanf("%d",&yearsOfService);
    if (yearsOfService>5)
        additionalAllowance+=0.1*basicSalary;
    bonus=(bonusPrecentage/100)*monthlySales;
    grossRemuneration=basicSalary+additionalAllowance+bonus;
```

```c
    printf("Gross monthly remuneration:%.2f\n",grossRemuneration);


    return 0;
}
```