

Practicle-3

1.

```
int main()
{
    int num1,num2;
    printf("enter 1st number and 2nd number:");
    scanf("%d %d",&num1,&num2);
    if(num1>num2)
        printf("%d is the highest number",num1);
    else if(num2>num1)
        printf("%d is the highest number",num2);
    else printf("both numbers are same");
}
```

2.

```
int main()
{
int num1,num2,num3;
printf("enter 1st number,2nd number and 3rd number:");
scanf("%d %d %d",&num1,&num2,&num3);
if(num1>num2 && num1>num3)
printf("1st number (%d) is largest number \n",num1);
else if(num2>num1 && num2>num3);
printf("2nd number (%d) is largest number \n",num2);
else if(num3>num1 && num3>num2);
printf("3rd number (%d) is largest number \n",num3);
else printf("All entered numbers are same \n");
if(num1<num2 && num1<num3);
printf("1st number (%d) is smallest number \n",num1);
else if(num2<num1 && num2<num3);
printf("2nd number (%d) is smallest number \n",num2);
else if(num3<num1 && num3<num2);
printf("3rd number (%d) is smallest number \n",num3);
else printf("All entered numbers are same");
}
```

3.

```
char e_name[50];  
float b_sal , n_sal,inc;  
printf("Enter Employee name:");  
scanf("%s",&e_name);  
printf("Enter Employee Basic salary:");  
scanf("%f",&b_sal);  
int main()  
{  
if(b_sal>=10000) inc=b_sal*0.15;  
else if(b_sal>=5000) inc=b_sal*0.10;  
else inc=b_sal*0.05;  
n_sal=b_sal+inc;  
printf("Employee name: %s \nNew Salary :Rs.%.2f",e_name,n_sal);  
}
```

7.

```
int main()
{
    float basic_salary, sales, bonus, additional_allowance;
    int years_of_service;
    char city;
    printf("Enter the basic salary: ");
    scanf("%f",&basic_salary);
    printf("Enter the number of years of service: ");
    scanf("%d",&years_of_service);
    printf("Enter the city (C for Colombo): ");
    scanf(" %c", &city);
    printf("Enter the monthly sales amount: ");
    scanf("%f", &sales);
    if (years_of_service > 5)
        additional_allowance += 0.1 * basic_salary;
    if (city == 'C')
        additional_allowance += 2500;
    if (sales >= 0 && sales < 25000)
        bonus = 0.1 * sales;
    else if (sales >= 25000 && sales < 50000)
        bonus = 0.12 * sales;
    else if (sales >=50000)
        bonus = 0.15 * sales;
    float gross_remuneration = basic_salary + additional_allowance + bonus;
    printf("Gross Monthly Remuneration: Rs. %.2f\n", gross_remuneration);
```