# **Practical 03**

1. #include <stdio.h>

#include <stdlib.h>

int main()

{

int no1,no2;

printf("Enter two Numbers : ");

scanf("%d %d",&no1,&no2);

if (no1>no2){

printf("Maximum Number is %d",no1);

}

else {

printf("Maximum Number is %d",no2);

}

}

2. int main()

{

int no1,no2,no3;

int maxno;

printf("Enter two Numbers : ");

scanf("%d %d %d",&no1,&no2,&no3);

if (no1>no2 && no1>no3)

{

printf("Maximum Number is %d",no1);

}

else if (no2>no1 && no2>no3){

printf("Maximum Number is %d",no2);

}

else{

printf("Maximum Number is %d",no3);

}

}

3. int main()

{

char name[30];

float newsalary;

int bsalary;

printf("Enter the Employee Name : ");

scanf(" %s",&name);

printf("Enter the basic Salary : ");

scanf("%d",&bsalary);

if (bsalary<5000){

newsalary = bsalary/100\*5 + bsalary;

}

else if (bsalary>=5000 && bsalary<10000){

newsalary = bsalary/100\*10 + bsalary;

}

else if (bsalary>=10000){

newsalary = bsalary/100\*15 + bsalary;

}

else{

printf("Error !!");

}

printf("Your new salary is = %.2f",newsalary);

}

4. int main()

{

int radi;

float cic,dia;

float area;

printf("Enter the radius of the circle : ");

scanf("%d",&radi);

cic = 2 \* 3.14159 \* radi;

area = 3.14159 \* radi\*radi;

dia = radi \*2;

printf("%.2f is the diameter of the circle.%.2f is the circumference of the circle. %.2f is the area of the circle.",dia,cic,area);

}

**5.** int main()

{

int no1,no2,remainder;

printf("Enter the two numbers : ");

scanf("%d %d",&no1,&no2);

remainder = no2%no1

if (remainder == 0){

printf("%d is a multiple of %d.",no1,no2);

}

else{

printf("%d is not a multiple of %d",no1,no2);

}

}

**6.** 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(" : %d\n", ' ');

}

**7.** int main()

{

int bsalary,years,monthly\_sales;

float tsalary;

float allowance;

char city;

printf("Enter the basic salary : ");

scanf("%d",&bsalary);

printf("Enter the monthly sales : ");

scanf("%d",&monthly\_sales);

printf("If you are in Colombo enter 'C' or if in anyother ‘O’ : ");

scanf(" %c",&city);

if (monthly\_sales <25000){

allowance = bsalary/100\*10;

}

else if (monthly\_sales>=25000 && monthly\_sales<50000){

allowance = bsalary/100\*12;

}

else if (monthly\_sales>=50000){

allowance = bsalary/100\*15;

}

if (city = 'C'){

tsalary = bsalary + allowance + 2500;

}

else{

tsalary = bsalary + allowance;

}

printf("Your total salary is : %f",tsalary);

}