**PRACTICAL NO:03**

01)

#include <stdio.h>

#include <stdlib.h>

int main()

{

int x,y,max;

printf("Enter two numbers");

scanf("%d %d",&x,&y);

if (x>y)

max=x;

else max=y;

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

}

02)

#include <stdio.h>

#include <stdlib.h>

int main()

{

int x,y,z,max,min;

printf("Enter three numbers");

scanf("%d %d %d",&x,&y,&z);

if (x>y)

max=x;

else if (y>z)

max=y;

else max=z;

if (x<y)

min=x;

else if (y<z)

min=y;

else min=z;

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

printf("The smallest is %d\n",min);

}

03)

#include <stdio.h>

#include <stdlib.h>

int main()

{

int salary;

float newsalary;

char empname[20];

printf("Enter your name:");

scanf("%s",&empname);

printf("Enter your basic salary:");

scanf("%d",&salary);

if (salary<5000)

newsalary=(salary/100)\*5+salary;

else if (5000<=salary && salary<10000)

newsalary=(salary/100)\*10+salary;

else if(salary>=10000)

newsalary=(salary/100)\*15+salary;

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

}

04)

#include <stdio.h>

#include <stdlib.h>

int main()

{

float dia,radi,circ,area;

printf("Enter the radius");

scanf("%f",&radi);

circ=2\*3.14159\*radi;

dia=2\*radi;

area=2\*3.14159\*radi\*radi;

printf("%.3f is the circumference\n%.3f is the diameter\n%.3f is the area",circ,dia,area);

}

05)

#include <stdio.h>

#include <stdlib.h>

int main()

{

int x,y,remain;

printf("Enter the two numbers");

scanf("%d %d",&x,&y);

remain=x%y;

if (remain==0)

printf("%d is a multiple of %d",x,y);

else printf("%d is not a multiple of %d",x,y);

}

06)

#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(" : %d\n", ' ');

}

07)

#include <stdio.h>

#include <stdlib.h>

int main()

{

int bsalary,service\_years,monthly\_sales;

float monthly\_remuneration;

float allowance;

char city;

printf("Enter the basic salary:");

scanf("%d",&bsalary);

printf("Enter the monthly sales:");

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

printf("Enter 'C' if you are in Colombo:");

scanf("%d",&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'){

monthly\_remuneration= bsalary+allowance+2500;

}

else{

monthly\_remuneration= bsalary+allowance;

}

printf("Your monthly\_remuneration is: %.2f",monthly\_remuneration);

}