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Practical 03

01.

#include<stdio.h>

int main()

{

int num1,num2,highest;

printf("Enter the first number :");

scanf("%d",&num1);

printf("Enter the second number :");

scanf("%d",&num2);

if(highest=num1)

{

if(highest>num2)

printf("The highest number is %d",num1);

else

printf("The highest number is %d",num2);

}

}

02.

#include<stdio.h>

int main()

{

int num1,num2,num3,largest,smallest;

printf("Enter the first number :");

scanf("%d",&num1);

printf("Enter the second number :");

scanf("%d",&num2);

printf("Enter the third number :");

scanf("%d",&num3);

if(num1>num2)

{

if(num1>num3)

largest=num1;

else

largest=num3;

}

if(num2>num1)

{

if(num2>num3)

largest=num2;

else

largest=num3;

}

if(num1<num2)

{

if(num1<num3)

smallest=num1;

else

smallest=num3;

}

if(num2<num1)

{

if(num2<num3)

smallest=num2;

else

smallest=num3;

}

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

printf("The smallest value is %d",smallest);

}

03.

#include<stdio.h>

int main()

{

char empname[30];

float bs,ns,inc;

printf("Enter the employer name :");

scanf("%s",&empname);

printf("Enter the basic salary :");

scanf("%f",&bs);

if(bs>=10000)

inc=bs\*0.15;

else if(bs>=5000)

inc=bs\*0.10;

else

inc=bs\*0.05;

ns=bs+inc;

printf("Employee name %s \n",empname);

printf("New salary %.2f",ns);

}

04.

#include<stdio.h>

int main()

{

float radi;

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

scanf("%f",&radi);

printf("Diameter is %.2f \n",radi\*2.0);

printf("Circumference is %.2f \n",radi\*2.0\*3.14159);

printf("Area is %.2f \n",radi\*radi\*3.14159);

}

05.

#include<stdio.h>

int main()

{

int no1,no2;

printf("Enter two integers :");

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

if(no1%no2==0)

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

else

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

}

06.

#include<stdio.h>

int main()

{

char c;

printf("Enter a character :\n");

scanf("%c",&c);

printf("The Ascii value of %c is %d",c,c);

}

07.

#include<stdio.h>

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);

}