}

Practical-03

Q1

#include<stdio.h> int main()

{

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

if(n1>n2) max=n1;

else

max=n2;

printf("Max value is %d\n",max);

return 0;

}

int main()

{

int n1,n2,n3,large,small; printf("Enter three numbers: "); scanf("%d %d %d",&n1,&n2,&n3);

Q2

#include<stdio.h>

int main()

{

int n1,n2,n3,large,small;

printf("Enter three numbers: ");

scanf("%d %d %d",&n1,&n2,&n3);

large=n1;

if(n1>large)

{

large=n1;

}

if(n3>large)

{

large=n3;

}

small=n2;

if(n1<small)

{

small=n1;

}

if(n3<small)

{

small=n3;

}

printf("Largest value is %d\n",large);

printf("Smallest value is %d\n",small);

return 0;

Q3

#include<stdio.h>

int main()

{

char empname[20];

float bsalary,inc,nsalary;

printf("Enter employee name: ");

scanf("%s",&empname);

printf("Enter basic salary: RS ");

scanf("%f",&bsalary);

if(bsalary<5000)

{

inc=bsalary\*0.05;

}

else if(bsalary<10000)

{

inc=bsalary\*0.10;

}

else

{

inc=bsalary\*0.15;

}

nsalary=bsalary+inc;

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

printf("New salary: RS %.2f\n",nsalary);

return 0;

}

Q4

#include<stdio.h>

int main()

{

float Radius,Diameter,Circumference,Area;

printf("Enter the radius value: ");

scanf("%f",&Radius);

printf("Enter Area Value= %.2f\n",3.14159\*(Radius\*Radius));

printf("Enter Diameter Value= %.2f\n",Radius\*2);

printf("Enter Circumference Value= %.2f\n",2\*3.14159\*Radius);

printf("Enter volumesphere Value= %.2f\n",4.0/3.0\*3.14159\*(Radius\*Radius));

return 0;

}

Q5

#include<stdio.h>

int main()

{

int n1,n2,value;

printf("Enter two numbers: ");

scanf("%d %d",&n1,&n2);

value=n1%n2;

if(value==0)

printf("Of the first is a multiple of the second: %d\n",value);

else

printf("Of the first is a not multiple of the second: %d\n",value);

return 0;

}

Q6

#include <stdio.h>

int main() {

char upperCaseLetter;

char lowerCaseLetter;

char digit;

char specialCharacter;

char newline;

printf("Enter an uppercase letter: ");

scanf(" %c", &upperCaseLetter);

int asciiValue1 = (int) upperCaseLetter;

printf("The ASCII value of %c is %d\n", upperCaseLetter, asciiValue1);

printf("Enter a lowercase letter: ");

scanf(" %c", &lowerCaseLetter);

int asciiValue2 = (int) lowerCaseLetter;

printf("The ASCII value of %c is %d\n", lowerCaseLetter, asciiValue2);

printf("Enter a digit: ");

scanf(" %c", &digit);

int asciiValue3 = (int) digit;

printf("The ASCII value of %c is %d\n", digit, asciiValue3);

printf("Enter a special character: ");

scanf(" %c", &specialCharacter);

int asciiValue4 = (int) specialCharacter;

printf("The ASCII value of %c is %d\n", specialCharacter, asciiValue4);

return 0;

Q7

#include<stdio.h>

int main()

{

float bsalary, monsalary, bonusamount, additionalAllowance, grossmonremuneration ;

char city;

int yearsofservice;

printf("Enter you basic salary: RS. ");

scanf("%f",&bsalary);

printf("Eneter your city(C for Colombo, any other character for other cities): ");

scanf("%s",&city);

printf("Enter the number of years of service: ");

scanf("%d",&yearsofservice);

printf("Enter your monthly salary: RS. ");

scanf("%f",&monsalary);

if(yearsofservice>5)

{

additionalAllowance= bsalary \* 0.1;

}

if(city=='c')

{

additionalAllowance+=2500;

}

if(monsalary<=25000)

{

bonusamount= monsalary \* 0.1;

}

else if(monsalary<=50000)

{

bonusamount= monsalary \* 0.12;

}

else

{

bonusamount= monsalary \* 0.15;

}

grossmonremuneration = bsalary + additionalAllowance + bonusamount;

printf("Gross Monthly Remuneration: RS. %.2f \n ",grossmonremuneration);

return 0;