1. Program to convert decimal to hexadecimal

PROGRAM:

#include<stdio.h>

int main()

{

int dec,rem,quo;

int i=1,j,temp;

char hexadecimalNumber[100];

printf("Enter any decimal number: ");

scanf("%ld",&dec);

quo=dec;

while(quo!=0) {

temp=quo%16;

if( temp<10)

temp=temp+48;

else

temp=temp+55;

hexadecimalNumber[i++]=temp;

quo=quo/16;

}

printf("hexadecimal value of decimal number %d:",dec);

for (j=i-1;j>0;j--)

printf("%c",hexadecimalNumber[j]);

return 0;

}

1. Program to convert Hexadecimal to decimal

PROGRAM:

#include <stdio.h>

int main()

{

int n;

printf("enter hexadecimal number: ");

scanf("%x",&n);

printf("decimal number is: %d",n);

return 0;

}

1. Program to convert decimal to octal

PROGRAM:

#include <stdio.h>

#include <math.h>

int main()

{

int octal,decimal=0;

int i=0;

printf("Enter an octal number: ");

scanf("%ld",&octal);

while(octal!=0)

{

decimal=decimal+(octal%10)\*pow(8,i++);

octal=octal/10;

}

printf("Decimal value: %ld",decimal);

return 0;

}

1. Program to convert octal to decimal

PROGRAM:

#include <stdio.h>

int main()

{

int num;

printf("Enter the decimal number: ");

scanf("%d", &num);

printf("Octal Number: %o", num);

return 0;

}

1. C Program to read a number and find its square

PROGRAM:

#include<stdio.h>

int main()

{

int n,s;

printf("the number is ");

scanf("%d",&n);

s=n\*n;

printf("the square of the %d number: %d ",n,s);

}

1. C Program to find the biggest of three numbers

PROGRAM:

#include<stdio.h>

int main()

{

int a,b,c;

printf("enter the a, b and c values: ");

scanf("%d%d%d",&a,&b,&c);

if(a>b && a>c)

{

printf("a is biggest of three numbers");

}

else if(b>a && b>c)

{

printf("b is biggest of three numbers");

}

else

{

printf("c is biggest of three numbers");

}

return 0;

}

1. C Program to find leap year

PROGRAM:

#include<stdio.h>

int main()

{

int year;

printf("enter the year: ");

scanf("%d",&year);

if(year>0)

{

if(year%400==0)

{

printf("leap year");

}

else

{

printf("not leap year");

}

}

else

{

printf("enter the correct year");

}

}

1. C Program to prepare mark list using elif statement

PROGRAM:

#include<stdio.h>

int main()

{

int m1,m2,m3,tot;

float avg;

printf("enter the first subject marks: ");

scanf("%d",&m1);

printf("enter the second subject marks: ");

scanf("%d",&m2);

printf("enter the third subject marks: ");

scanf("%d",&m3);

tot=m1+m2+m3;

printf("total marks:%d\n",tot);

avg=tot/3;

printf("average:%f\n",avg);

if (m1>=50 && m1<=100 && m2>=50 && m2<=100 && m3>=50 && m3<=100)

{

if (avg>=90)

{

printf("\ngrade A");

}

else if(avg<90 && avg>=80)

{

printf("\nGrade B");

}

else if(avg<80 && avg>=70)

{

printf("\nGrade C");

}

else if(avg<70 && avg>=60)

{

printf("\nGrade D");

}

else

{

printf("\nFail");

}

}

else

{

printf("\nenter the correct marks");

}

}

1. C Program to perform arithmetic operation on two numbers

PROGRAM:

#include<stdio.h>

int main()

{

float a,b;

float div;

printf("enter a and b values: ");

scanf("%d%d",&a,&b);

printf("addition:%d",a+b);

printf("subtraction:%d",a-b);

printf("Multiplication:%d",a\*b);

div=a/b;

printf("division:%.2f",div);

}

1. C Program to print n natural number

PROGRAM:

#include <stdio.h>

int main()

{

int i,n;

printf("enter the number");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

printf("%d\n",i);

}

return 0;

}

1. C Program to find area of different shapes

PROGRAM:

int main()

{

int l,b,h,r,s;

printf("enter the length: ");

scanf("%d",&l);

printf("enter the breadth: ");

scanf("%d",&b);

printf("enter the height: ");

scanf("%d",&h);

printf("enter the side: ");

scanf("%d",&s);

printf("enter the radius: ");

scanf("%d",&r);

printf("\narea of the circle:%.2f",3.14\*r\*r);

printf("\narea of the square:%d",s\*s);

printf("\narea of the rectangle:%d",l\*b);

printf("\narea of the triangle:%.2f",0.5\*b\*h);

}

12.C Program to check number is palindrome

PROGRAM:

#include<stdio.h>

int main()

{

int n,r,sum=0,temp;

printf("enter the number=");

scanf("%d",&n);

temp=n;

while(n>0)

{

r=n%10;

sum=(sum\*10)+r;

n=n/10;

}

if(temp==sum)

{

printf("palindrome number ");

}

else

{

printf("not palindrome");

}

return 0;

}