Assignment 10 solution

Q1

Ans

#include<stdio.h>

Void primefact(int num);

Int main()

{

Int no;

Printf(“Enter a number\n”);

Scanf(“%d”,&no);

Primefact(no);

Return 0;

}

Void primefact(int num)

{

Int I;

For(i=2;num!=1;i++)

While(num%i==0)

{

Num=num/I;

Printf(“%d,”,i);

}

}

Q-2

Ans

#include<stdio.h>

Float si(float p, float r,float t);

Int main()

{

Float x,y,z,t;

Printf(“Enter principal amount,rate and time\n”);

Scanf(“%f%f%f”,&x,&y,&z);

T=si(x,y,z);

Printf(“Simple interest =%.2f”,t);

Return 0;

}

Float si(float p, float r,float t)

{

Float si;

Si=(p\*r\*t)/100;

Return si;

}

Q-3

Ans

#include<stdio.h>

Int odd\_even(int num);

Int main()

{

Int mum,bum;

Printf(“Enter a number\n”);

Scanf(“%d”,&mum);

Bum=odd\_even(mum);

Printf(“Result=%d”,bum);

Return 0;

}

Int odd\_even(int num)

{

If(num%2==0)

Return 1;

Else

Return 0;

}

Q-4

Ans

#include<stdio.h>

Void natural\_numbers(int mum);

Int main()

{

Int num;

Printf(“Enter a number\n”);

Scanf(“%d”,&num);

Natural\_numbers(num);

Return 0;

}

Void natural\_numbers(int mum)

{

Int I;

For(i=1;i<=mum;i++)

Printf(“%d “,i);

}

Q-5

Ans

#include<stdio.h>

Void odd\_natural\_numbers(int mum);

Int main()

{

Int num;

Printf(“Enter a number\n”);

Scanf(“%d”,&num);

Odd\_natural\_numbers(num);

Return 0;

}

Void odd\_natural\_numbers(int mum)

{

Int I;

For(i=1;i<=mum;i++)

Printf(“%d “,2\*i-1);

}

Q-6

Ans

#include<stdio.h>

Long fact( long mum);

Long main()

{

Long num,bum;

Printf(“Enter a number\n”);

Scanf(“%li”,&num);

Bum = fact(num);

Printf(“Factorial of a given number=%li”,bum);

Return 0;

}

Long fact( long mum)

{

Long I,f=1;

For(i=1;i<=mum;i++)

{

F=f\*I;

}

Return f;

}

Q-7

#include<stdio.h>

Int check( int run,int bum);

Int main()

{

Int mum,dum,rum;

Printf(“Enter a number and a digit\n”);

Scanf(“%d%d”,&mum,&dum);

Rum=check (mum,dum);

Printf(“%d”,rum);

Return 0;

}

Int check( int run,int bum)

{

Int digit,rem,sum;

While(sum)

{

Rem =sum%10;

If(rem==digit)

Return 1;

Sum = sum/10;

}

Return 0;

}

Q-9

Ans

#include<stdio.h>

Int check( int run,int bum);

Int main()

{

Int mum,dum,rum;

Printf(“Enter a number and a digit\n”);

Scanf(“%d%d”,&mum,&dum);

Rum=check (mum,dum);

Printf(“%d”,rum);

Return 0;

}

Int check( int run,int bum)

{

Int digit,rem,sum;

While(sum)

{

Rem =sum%10;

If(rem==digit)

Return 1;

Sum = sum/10;

}

Return 0;

}

Q-10

Ans

#include<stdio.h>

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{

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}

Void primefact(int num)

{

Int I;

For(i=2;num!=1;i++)

While(num%i==0)

{

Num=num/I;

Printf(“%d,”,i);

}

}