Question 01;

class Hw1{

public static void main(String args[]){

for(int a=-5; a<=5; a++)

{

System.out.println(a);

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw1.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw1

-5

-4

-3

-2

-1

0

1

2

3

4

5

Question 2;

class Hw2{

public static void main(String args[]){

for(int a=100; a>=91; a--)

{

System.out.println(a+" ");

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw2.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw2

100

99

98

97

96

95

94

93

92

91

Question 3;

class Hw3{

public static void main(String args[]){

for(int a=80; a>=70; a=a-2)

{

System.out.println(a);

System.out.println("skip");

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw3.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw3

80

skip

78

skip

76

skip

74

skip

72

skip

70

skip

Question 04;

class Hw4{

public static void main(String args[]){

int r;

for(int a=10; a<=20; a=a+2)

{

r=a\*a;

System.out.println(a+" square is "+r);

}

}

}

Output:

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw4.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw4

10 square is 100

12 square is 144

14 square is 196

16 square is 256

18 square is 324

20 square is 400

Question 5:-

class Hw5{

public static void main(String args[]){

int a;

for(int i=1; i<=10; i=i+2)

{

a=i\*i\*i;

System.out.println("Cube of "+i+" = "+a);

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw5.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw5

Cube of 1 = 1

Cube of 3 = 27

Cube of 5 = 125

Cube of 7 = 343

Cube of 9 = 729

Question 6:-

import java.util.Scanner;

class Hw6{

public static void main(String args[]){

int a,sum=0;

System.out.println("Enter the number");

Scanner rk=new Scanner(System.in);

a=rk.nextInt();

for(int i=1; i<=a/2; i++)

{

if(a%i==0)

{

System.out.print(i+" ");

sum=sum+i;

}

}

System.out.println("Sum of factor ="+ sum);

if(sum>a)

{

System.out.println(a+" is a abundant number ");

}

else

{

System.out.println(a+" is not abundant number ");

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw6.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw6

Enter the number

12

1 2 3 4 6 Sum of factor =16

12 is a abundant number

Question 7:-

import java.util.Scanner;

class Hw7{

public static void main(String args[]){

int num,last,slast,first,sum;

System.out.println("enter the number:");

Scanner rk=new Scanner(System.in);

num=rk.nextInt();

last=num%10;

slast=(num%100)/10;

first=(num/100)%10;

sum=first+slast+last;

System.out.println("sum of digit "+ sum);

if(num%sum==0)

{

System.out.println(num+" is divisible by "+sum);

}

else

{

System.out.println(num+" is not divisible by "+sum);

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw7.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw7

enter the number:

126

sum of digit 9

126 is divisible by 9

Question 8:-

import java.util.Scanner;

class Hw8{

public static void main(String args[]){

int num,first,sec,slast,last,sum,mul;

System.out.println("Enter the number:");

Scanner rk=new Scanner(System.in);

num=rk.nextInt();

last=num%10;

slast=(num%100)/10;

sec=(num/100)%10;

first=(num/100)/10;

sum=first+sec+slast+last;

mul=first\*sec\*slast\*last;

System.out.println("Sum of that's digit "+sum);

System.out.println("Multi... of that's number "+mul);

if(sum==mul)

{

System.out.println("This is spy number");

}

else

{

System.out.println("This is not spy number");

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw8.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw8

Enter the number:

1124

Sum of that's digit 8

Multi... of that's number 8

This is spy number

Question 09:-

import java.util.Scanner;

class Hw9{

public static void main(String args[]){

int num, first,last,sum,mul;

System.out.println("Enter the number:");

Scanner rk=new Scanner(System.in);

num=rk.nextInt();

last=num%10;

first=num/10;

sum=first+last;

mul=first\*last;

System.out.println("sum of : "+sum);

System.out.println("mul.. of : "+mul);

System.out.println("sum of digit and mul.. of digit: "+(sum+mul));

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hw9.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hw9

Enter the number:

59

sum of : 14

mul.. of : 45

sum of digit and mul.. of digit: 59

Question 10:-

import java.util.Scanner;

class Hww9{

public static void main(String args[]){

int num,first;

System.out.println("Enter the number:");

Scanner rk=new Scanner(System.in);

num=rk.nextInt();

first=(num/100)/10;

if(first==0)

{

System.out.println("is not Duck number:");

}

else

{

System.out.println(num+" is a Duck number");

}

}

}

Output:-

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>javac Hww9.java

C:\Users\Rajan Kumar\OneDrive\Desktop\Java program\Java-program\task>java Hww9

Enter the number:

5063

5063 is a Duck number