Problem Statement:

Write a Java program to understand the use of Constructor.

class student

{

int rollno;

String name;

student(int rollno, String name)

{

this.rollno=rollno;

this.name=name;

}

void show()

{

System.out.println("Name:" +name +" Rollno: "+rollno);

}

}

class stud

{

public static void main(String[] args)

{

student s1=new student(19,"Ram");

student s2 =new student(17,"Shyam");

s1.show();

s2.show();

}

}

Problem Statement:

Write a java program to understand Method overriding

class A

{

void m()

{

System.out.println("Parent class method");

}

}

class B extends A

{

void m()

{

System.out.println("child class");

}

}

class Test

{

public static void main(String args[])

{

A ob1 = new A();

ob1.m();

B ob2 = new B();

ob2.m();

A ob3 =new B();

ob3.m();

}

}

Problem Statement:

Write a java program find factorial of a Number should be entered through command line

class test

{

public static void main(String[] args)

{ int f=1;

int n =Integer.parseInt(args[0]);

while(n>0)

{

f=f\*n;

n--;

}

System.out.println("factorial: "+f);

}

}

Problem Statement:

// Akshay want to Calculate the Percentage of 4 subject. Write a java code that accept 4 subject marks through command prompt and calculate the percentage

class percentage

{

public static void main(String[] args)

{

int a;

float sum=0;

float per;

for(int i=0;i<args.length; i++)

{

sum=sum + Integer.parseInt(args[i]);

}

per =(sum/400)\*100;

System.out.println("Percentage of 4 subject: "+per);

}

}

Problem Statement:

Ask user to enter 10 digits number through command prompt and calculate the sum of even digits.

class sumeven

{

public static void main(String[] args)

{

int a,rem,sum=0;

a=Integer.parseInt(args[0]);

while(a>0)

{

rem = a%10;

if(rem%2 ==0)

{

sum =sum+rem;

}

a = a/10;

}

System.out.println("sum of even digits "+sum);

}

}

Problem Statement:

Akshay want to calculate the area of three shape square, rectangle and triangle define three different method having same name i.e CalculateArea()

class s

{

void calculateArea(int s)

{

System.out.println("Area of Square "+(s\*s));

}

void calculateArea(int l, int b)

{

System.out.println("Area of rectangle "+(l\*b));

}

void calculateArea(double b,double h)

{

double res = 0.5\*b\*h;

System.out.println("Area of triangle "+res);

}

}

class test

{

public static void main(String[] args)

{

s obj1 =new s();

obj1.calculateArea(12);

obj1.calculateArea(9,4);

obj1.calculateArea(10.0,5.0);

}

}