1. Sum of arguments using Command Line Arguments

Package p1;

class CMA

{

public static void main(String[] args)

{

System.out.println("Number of arguments :"+ args.length);

int sum=0;

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

{

System.out.println(args[i]);

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

}

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

}

}

1. Java code to Read Six Subjects marks specified as command line arguments and find the sum,average, and maximum.

**package** p1;

**class** First

{

**public** **static** **void** main(String[] args)

{

**int** sum=0,m,avg,max=0;

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

{

m=Integer.*parseInt*(args[i]);

**if**(m>max)

{

max=m;

}

sum=sum+m;

}

avg=sum/args.length;

System.***out***.println(sum);

System.***out***.println(avg);

}

}

2.)The method generally used to convert String to Integer in Java is parseInt( ). This method belongs to Integer class in java.lang package.

Integer.valueOf( ):

This method is a static method belonging to the java.lang package which returns the relevant Integer Object holding the value of the argument passed.

package pack1;

public class CommandLine

{

public static void main(String[] args)

{

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

int y = Integer.parseInt(args[1]);

System.out.println(x+y);

Integer obj1 = Integer.valueOf(args[0]);

Integer obj2 = Integer.valueOf(args[1]);

System.out.println(obj1+obj2);

}

}

**4.)Develop code for the class product with private members I'd,name, quantity,and price.Code the setters,the quantity and price must be positive.If invalid values are specified set to 0 and return false and code the toString()method.Obtain the input for 2 objects through command-line arguments and display them.Also compute the total amount to be paid**.

package pack1;

class Product

{

private int ID;

private String name;

private int quantity;

private int price;

public void setI(int id)

{

ID=id;

}

public void setN(String person)

{

name=person;

}

public boolean setQ(int qun)

{

if(qun>0)

{

quantity=qun;

return true;

}

else

{

quantity=0;

return false;

}

}

public boolean setP(int pri)

{

if(pri>0)

{

price=pri;

return true;

}

else

{

price=0;

return false;

}

}

public String getI()

{

return "YOUR ID:"+ID;

}

public String getN()

{

return name;

}

public String getQ()

{

return "QUANTITY:"+quantity;

}

public String getP()

{

return "PRICE:"+price;

}

public int total()

{

return quantity\*price;

}

public String toString()

{

String str=String.format("%s%n%s%n%s%n%s%n TOTAL AMOUNT:%d%n",getI(),getN(),getQ(),getP(),total());

return str;

}

}

package pack1;

public class ProductDemo

{

public static void main(String args[])

{

Product z=new Product();

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

String n=args[1];

int q=Integer.parseInt(args[2]);

int p=Integer.parseInt(args[3]);

z.setI(i);

z.setN(n);

z.setQ(q);

z.setP(p);

System.out.println(z);

}

}