PROGRAM TO PRINT THE PERSON DETAILS IN THE GIVEN FORMAT

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package com.lnt.elseif;

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public class PersonDetails {

private String FirstName;

private String LastName;

private String Gender;

private int Age;

private double weight;

public void print()

{

System.out.println("\n----------------Person Details--------------\n"

+"\n First Name: " +FirstName

+"\n Last Name " +LastName

+"\n Gender " +Gender

+"\n Age " + Age

+"\n Weight " +weight);

}

public String getFirstName() {

return FirstName;

}

public void setFirstName(String firstName) {

this.FirstName = firstName;

}

public String getLastName() {

return LastName;

}

public void setLastName(String lastName) {

this.LastName = lastName;

}

public String getGender() {

return Gender;

}

public void setGender(String gender) {

this.Gender = gender;

}

public int getAge() {

return Age;

}

public void setAge(int age) {

this.Age = age;

}

public double getWeight() {

return weight;

}

public void setWeight(int weight) {

this.weight = weight;

}

//public void weight(int i) {

// TODO Auto-generated method stub

}

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

// **TODO** Auto-generated method stub

PersonDetails d=**new** PersonDetails();

d.setFirstName("Divya");

d.setLastName("Bharathi") ;

d.setGender("F");

d.setAge(20);

d.setWeight(42);

d.print();

}

}

OUTPUT:

First Name: Divya

Last Name Bharathi

Gender F

Age 20

Weight 42.0

Program to accept number from command line check number is positive or negative.

**package** com.lnt.elseif;

**import** java.util.Scanner;

**public** **class** PositiveNegative {

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

// **TODO** Auto-generated method stub

**int** n;

System.***out***.println("Enter a Number\n");

//Scanner scan=new Scanner(System.in);

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

**if**(n>0)

{

System.***out***.println("N is positive INteger\n");

}**else** **if**(n<0) {

System.***out***.println("n is Negative\n");

}

**else** **if**(n==0)

{

System.***out***.println("N is equal to zero");

}

}

}

2.3 Create Person class and generate getters and setters

**package** com.lnt.if\_else;

**public** **class** Person1

{

**private** String FirstName;

**private** String LastName;

**private** **char** Gender;

**public** String getFirstName() {

**return** FirstName;

}

**public** **void** setFirstName(String firstName) {

FirstName = firstName;

}

**public** String getLastName() {

**return** LastName;

}

**public** **void** setLastName(String lastName) {

LastName = lastName;

}

**public** **char** getGender() {

**return** Gender;

}

**public** **void** setGender(**char** gender) {

Gender = gender;

}

}

2.3)

Create default and parameterized constructor for person class.

Create PersonMain.java and write code for following program.

Create object of person class and specify details through constructor

Display the details given in format lab assignment 2.1

PersonDetails:

**package** com.lnt.PersonDetails;

**public** **class** Person {

**public** String firstName;

**public** String lastName;

**public** **char** gender;

**public** Person()//constructor

{

}

**public** Person(String Firstname,String Lastname,**char** gend)//parametarized constructor

{

firstName=Firstname;

lastName=Lastname;

gender=gend;

}

**public** **void** display()

{

System.***out***.println("FirstName :"+firstName);

System.***out***.println("LastName :"+lastName);

System.***out***.println("Gender :"+gender);

}

}

PersonMain;

**package** com.lnt.PersonDetails;

**public** **class** PersonM {

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

// **TODO** Auto-generated method stub

Person per=**new** Person();

per.firstName="Divya";

per.lastName="Bharathi";

per.gender='F';

per.display();

}

}

OUTPUT:

FirstName :Divya

LastName :Bharathi

Gender :F

2.4)

Person.java

**package** com.lnt.PersonDetails;

**import** java.util.Scanner;

**public** **class** Person {

**public** **int** ph;

**public** String firstName;

**public** String lastName;

**public** **char** gender;

**int** phnumber;

**public** Person() {

}

**public** Person(String Firstname, String Lastname, **char** gend) {

firstName = Firstname;

lastName = Lastname;

gender = gend;

}

**void** PhoneNumber(**int** ph)

{

phnumber=ph;

////int ph;

// System.out.println("Enter Phone Number\n");

// Scanner sc=new Scanner(System.in);

// ph=sc.nextInt();

// System.out.println("PHONE NUMBER:"+phnumber);

// return;

// // per.PhoneNumber(sc);

//// this.phnumber = phone;

}

**public** **void** display() {

System.***out***.println("FirstName :" + firstName);

System.***out***.println("LastName :" + lastName);

System.***out***.println("Gender :" + gender);

System.***out***.println("Phone Number :"+phnumber);

}

}

PersonM.java

**package** com.lnt.PersonDetails;

**import** java.util.Scanner;

**public** **class** PersonM {

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

// **TODO** Auto-generated method stub

**int** s;

Person per=**new** Person();

System.***out***.println("Enter Phone Number\n");

Scanner sc=**new** Scanner(System.***in***);

s=sc.nextInt();

per.PhoneNumber(s);

per.firstName="Divya";

per.lastName="Bharathi";

per.gender='F';

per.display();

//

}

}

OUTPUT:

Enter Phone Number

987654321

FirstName :Divya

LastName :Bharathi

Gender :F

Phone Number :987654321

**3.1)**

**Adding string to itself.**

**public** **class** AddString {

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

// **TODO** Auto-generated method stub

String str1="Divya";

String str2=" Bharathi";

String str3=str1 +"\t"+str2;

String str4;

str4=str1.concat(str2);

System.***out***.println("Addition of two string is "+str3);

System.***out***.println("Addition of two string is "+str4);

}

}

OUTPUT:

Addition of two string is Divya Bharathi

Addition of two string is Divya Bharathi

b)

**public** **class** Replace {

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

{

// **TODO** Auto-generated method stub

String a = "Divya Bharati";

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

{

**if** (i % 2 != 0)

{

a = a.substring(0,i-1) + "&" + a.substring(i, a.length());

System.***out***.println(a.substring(0,i-1));

//System.out.println(a.substring(i, a.length()));

}

}

// System.out.println("STRING IS :"+a);

}

}

OUTPUT:

STRING IS :&i&y& &h&r&ti

c)Remove duplicate character in the string

**public** **class** duplicatestrinmg {

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

// **TODO** Auto-generated method stub

String str="Prasanna";

**char**[] chars = str.toCharArray();

StringBuilder sb = **new** StringBuilder();

**boolean** repeatedChar;

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

{

repeatedChar = **false**;

**for** (**int** j = i + 1; j < chars.length; j++)

{

**if** (chars[i] == chars[j])

{

repeatedChar = **true**;

**break**;

}

}

**if** (!repeatedChar)

{

sb.append(chars[i]);

System.***out***.println(chars[i]);

}

}

}

}

**Output:**

P

r

s

n

a

3.3)

**import** java.text.ParseException;

**import** java.text.SimpleDateFormat;

**import** java.util.Date;

**import** java.util.Scanner;

**public** **class** product {

**public** **static** **void** main(String[] args) **throws** ParseException {

// **TODO** Auto-generated method stub

Scanner scan=**new** Scanner(System.***in***);

System.***out***.println("\n Enter the purchased date in the format of dd-MMM-YYYY \n");

String pDate=scan.next();

Date purchaseDate= **new** SimpleDateFormat("dd-MMM-YYYY").parse(pDate);

System.***out***.println("\n The Purchased Date is \t" +purchaseDate);

}

**OUTPUT:**

12-mar-2018

The Purchased Date is Sun Dec 31 00:00:00 IST 2017