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\***Assignment 2\***

**1)Create a java program to print your father ,mother name, age, salary, phone number , address like city ,state?**

**Program:**

import java.util.Scanner;

public class FamilyDetails {

public static void main(String[] args) {

String fname , mname;

int fage ,mage ,salary;

long phnum;

String addr;

Scanner sc=new Scanner(System.in);

System.out.println("Enter your Father name:");

fname= sc.nextLine();

System.out.println("Enter your mother name:");

mname= sc.nextLine();

System.out.println("Enter the father age: ");

fage=sc.nextInt();

System.out.println("Enter the mother age: ");

mage=sc.nextInt();

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

phnum=sc.nextLong();

System.out.println("Enter the father salary: ");

salary=sc.nextInt();

System.out.println("Enter your Address:");

addr= sc.nextLine();

} }

**2)Write a java Program to print the message in the given format:**

**hello**

**welcome to**

**edubridge online classes**

**Program:**

public class PrintFormat {

public static void main(String[] args) {

System.out.println("hello\n welcome to \n edubridge online classes");

} }

**3) What is the default package in java?**

**Ans:** In Java, two packages java.lang package and a no-name package (also called default package) are imported by default in all the classes of Java. Default Package doesn't have a name but it is present by default and thus, it is named the default package. Java Virtual Machine imports these packages by default in Java internally. that is the reason we are able to access all the classes of these packages.

**4) Scanner class is in which package?**

**Ans:** The Scanner class is used to get user input, and it is found in the java.util package.

**5) List the methods of Scanner class?**

**Ans:** The methods of Scanner Class are:nextInt() , nextFloat() , nextBoolean() , nextLine() ,next() ,nextByte(), nextDouble(), nextShort() ,nextLong()

**6) List the types of data types with size and given an example of each by during declaring and initializing the variables?**

**Ans: Data type Size Example**

Byte 1 byte byte sno=1;

Short 2 byte short number=1000;

Int 4 byte int num=1234;

Long 8 bytes long value=12345456 ;

Float 4 byte float value=12.23f;

Double 8 byte double value=1234.1234;

Boolean 1 byte Boolean value=true;

Character 2 byte char name=”Ram”;

**7) Write a program to display the names of your 5 friends?**

**Program**:

import java.util.Scanner;

public class FriendName {

public static void main(String[] args) {

String friends;

for(int i=1;i<=5;i++) {

Scanner sc=new Scanner(System.in);

System.out.println("enter your friend name:");

friends= sc.nextLine();

System.out.println(friends);

} } }

**8) Write a program to do addition 5 number :**

**Program:**

import java.util.Scanner;

public class Addition {

public static void main(String[] args) {

int num1,num2,num3,num4,num5,result=0;

Scanner sc=new Scanner(System.in);

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

Num1 = sc.nextInt();

num2 = sc.nextInt();

num3= sc.nextInt();

num4 = sc.nextInt();

num5 = sc.nextInt();

result=num1+num2+num3+num4+num5;

System.out.println("The result is:"+result );

} }

**9)** **Write a program to display your father name and mother name?**

**Program:**

import java.util.Scanner;

public class ParentsName {

public static void main(String[] args) {

String fname , mname;

Scanner sc=new Scanner(System.in);

System.out.println("Enter your Father name:");

fname= sc.nextLine();

System.out.println("Enter your mother name:");

mname= sc.nextLine();

System.out.println(" Father name is:"+fname);

System.out.println("Mother name is:"+mname);

} }

**10) Write a program to display your name in short like yourname.fathernamefirstletter.sirnamefirstletter .**

**Program:**

import java.util.Scanner;

public class Name {

public static void main(String[] args) {

String myname, fname, sname;

Scanner sc=new Scanner(System.in);

System.out.println("Enter your name:");

myname= sc.nextLine();

System.out.println("Enter your father name first letter:");

fname= sc.nextLine();

System.out.println("Enter your Sirname first letter:");

sname= sc.nextLine();

System.out.print(myname);

System.out.print(".");

System.out.print(fname);

System.out.print(".");

System.out.print(sname);

} }

**11)Explain the public static void main (string args[]) ?**

**Ans:**  The main() method is a special method in Java Programming that serves as the externally exposed entrance point by which a Java program can be run. To compile a Java program, you doesn't really need a main() method in your program.

**12) What are the rules of naming the java file?**

**Ans:** File name should be same as the class name. If there are multiple classes within the file and all the classes have access specifier as default then we can save it by using any of the class same as file name.

**13)what are the rules of naming the class ?**

**Ans:** class name should be named in upper camel format. No space should be given between the words. If space is needed between words then under score(\_) and dollar($) symbol should be used between the words. Name should be unique. Name should not be a keyword.

**14)what are the rules for naming the methods ?**

**Ans:**  Method name follows the lower camel case. Method name should be unique. No space should be given between words. Method name should not be a keyword.

**15)what are the rules for naming variables in java ?**

**Ans:** Variable name follows the lower camel case. Variable name should be unique. No space should be given between words. Variable name should not be a keyword.

**16)which is the main entry point of java program ?**

**Ans:** public static void main(String[] args) is the main entry point of java program.

**17)who is invoking the main method of java?**

**Ans:** JVM is invoking the main method of java.

**18)why main has to be static method ?**

**Ans:** Java main() method is always static, so that compiler can call it without the creation of an object or before the creation of an object of the class.