

Assignment -II

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

Program:

```
public class FamilyDetails
{
    public static void main(String[] args)
    {
        string fatherName = "Ravichandiran";
        string motherName = "Kavitha";
        int fatherAge = 55;
        int motherAge = 40;
        double salary = 3133.35;
        int phoneNumber = 9876543210;
        string city = "Thirupathur";
        string country = "India";
        System.out.println("Father:" +fatherName);
        System.out.println("Mother:" +MotherName);
        System.out.println("Father Age:" +fatherAge);
        System.out.println("Mother Age:" +motherAge);
        System.out.println("Salary:" +salary);
        System.out.println("phno.:" +phoneNumber);
        System.out.println("CITY:" +city);
        System.out.println("Country:" +country);
    }
}
```

2. WAP to print in below format?

Program:

```

public class Output
{
    public static void main(String[] args)
    {
        System.out.println(" hello\n"+" welcome to\n"+" edubridge online classes");
    }
}

```

3. what is default package in java?

Java.lang package.

4. Scanner class in which package?

Scanner class is present in java.util package

5. list the methods in Scanner class

nextInt(),
 nextBoolean(),
 nextLine(),
 nextDouble(),
 nextFloat(),
 nextShort(),
 nextByte(),
 nextLong(),
 next().

6. list of datatypes in java.

1. primitive data types:

- a) boolean : 1 bit → default-false
- b) byte : 1 byte → a=10, b=-20
- c) short : 2 byte → s=10000, r=-5000
- d) char : 2 byte → a='A'
- e) int : 4 byte → a=100000, b=-200000
- f) long : 8 byte → a=100000L, b=-200000
- g) float: 4 byte → f=234.5f
- h) double: 8 byte → d=234.5f

7. write a program to display the names of your 5 friends.?

Program:

```
public class DisplayNames
{
    public static void main(String[] args){
        // TODO Auto-generated method stub

        String friend1 = "Lithishree";

        string friend2 = "shalini";

        string friend3 = "Ruby";

        string friend4 = "Gayu";

        string friend5 = "Nasreen";

        System.out.println("my friends names :\n"+
            friend1+"\n"+friend2+"\n"+friend3+"\n"+friend4+"\n"+friend5+"\n" );
    }
}
```

8. write a program to do addition 5 number?

Program:

```
import java.util.Scanner;

public class AdditionProgram {

    public static void main(String[] args){
        // TODO Auto-generated method stub

        Scanner sc = new Scanner(System.in);

        System.out.println("enter five numbers for addition:");

        int num1 = sc.nextInt();

        int num2 = sc.nextInt();

        int num3 = sc.nextInt();

        int num4 =sc.nextInt();

        int num5 = sc.nextInt();

        System.out.println("addition of five number is:"+(num1+num2+num3+num4+num5));
    }
}
```

```
}
```

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

Program:

```
public class FamilyDetails {  
    // IDE Auto-generated method stub  
    public static void main(String[] args) {  
        String myName = "Pavithra";  
  
        String fatherName = "Ravichandiran";  
  
        String motherName = "KavithaKavitha";  
  
        System.out.println("Name :"+myName+"\n"+"Father Name  
:""+fatherName+"\n"+"Mother Name:""+motherName);  
    }  
}
```

10. Write a program to display your name in short like your name . father name firstletter.

Sir name first letter

Program:

```
public class MyDetails {  
    public static void main(String[] args) {  
        String myName = "Pavithra";  
  
        String surname = "Ravi";  
  
        String fatherName = "Ravichandiran ";  
  
        // to get the first character of a string 'charAt()' is used  
  
        System.out.println("My name is  
:""+myName+".""+fatherName.charAt(0)+".""+surname.charAt(0));  
    }  
}
```

11.Explain the public static void main(String[] args) in detail.?

public -> The main method should be visible for jvm to access, so the public access modifier is used.

static -> Jvm can directly access to main method with the

spacevoid -> it is a return type and it returns nothing or any value .

main -> it is a main method or entery method ,without main jvm won't executes java main program

String[] ar -> It is Java command-line arguments and is an array of type java.lang.String class.

Here, the name of the String array is args but it is not fixed and the user can use any name in place of it.

13.What are the rules of naming the java file.?

there are two rules

File name should be same as class

name,

Case sensitive

14.what are the rules of naming the
class?

should start with uppe

1. It should be unique and meaningful.
2. Mostly prefer nouns as classnames.
3. Starting letters of words should be Capitals.
- 4.Should not start with Special symbols and numbers .5.Except '_' and '\$'.
- 6.It is not a error prone.

15. what are the rules for naming the methods?

rules for method naming :

1. should follow verbNoun format.
2. lowerCasing rule must be followd
3. should not start with digits and special characters
- 4.it must be unique and meaningful
- 5.it is not a error prone

16. what are the rules for naming variables in java?

rules for variable naming :

1. it follows lower casing
2. it should not start with digits or numbers
3. must be unique and meaningful
4. it is not a error prone

17. which is the main entry point of java program?

main() is the entry point for java program, jvm recognize main() and starts execution.

18. who is invoking the main method of ?

jvm(java virtual machine) will invoke main method of a java program.

19. why main has to be static method?

Main method is static , so that jvm invoke it without object creation of a class and saves unnecessary memory creation .

