

## ASSIGNMENT 2

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

```
public class Ques1 {  
  
    public static void main(String[] args) {  
  
        System.out.println("This is my mother's information ");  
        System.out.println("Name: laxmibai");  
        System.out.println("Age: 40");  
        System.out.println("phone number: +919888326598");  
        System.out.println("City: basavakalyan");  
        System.out.println("State: Karnataka");  
        System.out.println("Country: India");  
  
        System.out.println("This is my father's information");  
        System.out.println("Name: balaji");  
        System.out.println("Age: 45");  
        System.out.println("phone number: +919854785698");  
        System.out.println("City: basavakalyan");  
        System.out.println("State: Karnataka");  
        System.out.println("Country: India");  
  
    }  
  
}
```

2. Write a java program to print the below msg in the given format  
hello

```
    welcome    to  
    edubridge  online    classes
```

```
public class Ques2 {  
  
    public static void main(String[] args) {  
        System.out.println(" hello\n"+" welcome  to\n"+" edubrige  online classes ");  
  
    }  
  
}
```

3. What is default package in java ?

java. lang package is a default package in Java therefore, there is no need to import it explicitly.

4. Scanner class is in which package?

Scanner is a class in java. util package.

5. list the methods of Scanner class.

nextInt(),

nextBoolean(),

nextLine(),

nextDouble(),

nextFloat(),

nextShort(),

nextByte(),

nextLong(),

next().

6. list the types of datatypes with size and give an example of each by doing declaring and initialization the variables.

1.Int ->4 bytes

Int a=3;

2.char ->2 bytes

char ch='a';

3.float ->4bytes

Float marks=66.8f;

4.double -> 8 bytes

double total=20.00;

5.long->8 bytes

Long telleephno=12452565265252652L;

Short ->2bytes

6. Boolean -> 1

boolean flag=true;

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

```
public class Ques3 {  
    public static void main(String[] args) {  
        System.out.println("List of 5 friends are");  
        System.out.println("1.amol \n 2.vijay \n 3.shiv \n 4.mahesh \n 5.Praveen");  
    }  
}
```

```
}
```

8. Write a program to do addition 5 number

```
import java.util.Scanner;
public class Ques4 {

    public static void main(String[] args) {
        int a,b,c,d,e,add;
        Scanner sc = new Scanner(System.in);

        System.out.println("Enter first number:");
        a=sc.nextInt();
        System.out.println("Enter second number:");
        b=sc.nextInt();
        System.out.println("Enter third number:");
        c=sc.nextInt();
        System.out.println("Enter fourth number:");
        d=sc.nextInt();
        System.out.println("Enter fifth number:");
        e=sc.nextInt();

        add = a+b+c+d+e;
        System.out.println("The sum is: " + add);
    }
}
```

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

```
public class Ques5 {

    public static void main(String[] args) {
        System.out.println("My father name is: balaji");
        System.out.println("My mother name is: laxmibai");
    }
}
```

10. write a program to display your name in short like  
yourname.fathernamefirstletter.sirnamefirstletter  
public class Ques6 {

```
    public static void main(String[] args) {
        String name="umesh";
        String fathername="balaji";
```

```

        String surname="biradar";

        System.out.println(name+"."+fathername.charAt(0)+"."+surname.charAt(0));
    }
}

```

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

- Public:- it is an access specifier that means it will be accessed by publicly.
- Static:- it is access modifier that means when the java program is load then it will create the space in memory automatically.
- Void:- it is a return type that is it does not return any value.
- main():- it is a method where execution starts

12. Write a program to display names of days by using command Line arguments.

```

import java.util.Scanner;

public class Ques7 {

    public static void main(String[] args) {

        System.out.println("Enter the names of days: ");
        System.out.println("The days you have entered: ");
        System.out.println(args[0]);
        System.out.println(args[1]);
        System.out.println(args[2]);
        System.out.println(args[3]);
        System.out.println(args[4]);
        System.out.println(args[5]);
        System.out.println(args[6]);
    }
}

```

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

File name is same as class name

Case sensitive

Must be meaningful

14. what are the rules of naming the class

Upper Camel case

Keywords cannot be used as class name

No spaces b\w class name

No special character allowed

Same name as file name

Class name must begin with alphabet or underscore

15. what are the rules for naming the methods

- Lower camel case

- Keywords cannot be used as method name

- Must begin with alphabet or underscore or "\$"

- No special characters allowed except "\_" and "\$"

16. what are the rules for naming variables in java

- first letter of first name is lower case and first letter of second word is upper case

- A variable name must start with a letter or an underscore character (\_).

- A variable name cannot start with a digit.

- A variable name can only contain alpha-numeric characters and underscores

- Variable names are case-sensitive

17. which is the main entry point of java program

- The main() method is the entry point of every java program.

18. who is invoking the main method of java

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

19. why main has to be static method

- The main() method is static so that JVM can invoke it without instantiating the class.