

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

```
package Assignments;
```

```
import java.util.Scanner;
```

```
public class Assignment2 {
```

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

```
        String mot,fat;
```

```
        String add,state,country;
```

```
        int phn,motherage,fatherage;
```

```
        double sal;
```

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

```
        System.out.println("enter your mother name");
```

```
        mot=sc.next();
```

```
        System.out.println("enter your father name");
```

```
        fat=sc.next();
```

```
        System.out.println("enter your mother age ");
```

```
        motherage=sc.nextInt();
```

```
        System.out.println("enter your father age");
```

```
        fatherage=sc.nextInt();
```

```
        System.out.println("enter your state name");
```

```
state=sc.next();
```

```
System.out.println("enter your country name");
```

```
country=sc.next();
```

```
System.out.println("enter your phone number");
```

```
phn=sc.nextInt();
```

```
System.out.println("enter your address");
```

```
add=sc.next();
```

```
System.out.println("enter your salary");
```

```
sal=sc.nextDouble();
```

```
System.out.println("your mother name is "+mot);
```

```
System.out.println("your father name is "+fat);
```

```
System.out.println("your mother age is "+motherage);
```

```
System.out.println("your father age is "+fatherage);
```

```
System.out.println("your state is "+state);
```

```
System.out.println("your country is "+country);
```

```
System.out.println("your phone number is "+phn);
```

```
System.out.println("your address is "+add);
```

```
System.out.println("your salary is "+sal);
```

```
}
```

```
}
```

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

```
        hello
    welcome  to
edubridge   online   classes
```

```
package Assignments;
```

```
public class Welcome {
    public static void main(String[] args) {

        System.out.println("\t \t \t \t hello");
        System.out.println("\twelcome \t to \t \t \t ");
        System.out.println("edubridge \tonline \tclasses \t \t \t ");

    }

}
```

3)What is default package in java?

a)Java.lang package is considered as the default package

4)Scanner class is in which package?

a)Scanner class is present in java.util.scanner package.

5)list the methods of Scanner class.

a)

MethodDescription

nextInt() reads an int value from the user
nextFloat() reads a float value form the user
nextBoolean() reads a boolean value from the user
nextLine() reads a line of text from the user
next() reads a word from the user
nextByte() reads a byte value from the user
nextDouble() reads a double value from the user
nextShort() reads a short value from the user
nextLong() reads a long value from the user

6)list the types of datatypes with size and give an example of each by doing declaring and initializing the variables?

a)

1. Primitive datatype

- Integer – short-2 bytes, int – 4 bytes.(eg: int a=4)
- Float – 4 bytes.(eg:float b=4.5)
- Double – 8 bytes.
- Character – 2 bytes.(eg: char grade=A)
- Boolean – 1 byte.(eg: boolean flag=true)

2. Derived datatype

- String
- Objects
- Array
- Enum

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

a)

```
package Assignments;
```

```
import java.util.Scanner;
```

```
public class FiveFriends {  
    public static void main(String[] args) {  
        String a,b,c,d,e;  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Enter the names:\n");  
        a=sc.nextLine();  
        b=sc.nextLine();  
        c=sc.nextLine();  
        d=sc.nextLine();  
        e=sc.nextLine();  
        System.out.println(" five friends are  
are:\n"+a+"\n"+b+"\n"+c+"\n"+d+"\n"+e+"\n");  
    }  
  
}
```

8)Write a program to do addition 5 number?

a)

```
package Assignments;
```

```
import java.util.Scanner;
```

```
public class Addition {
```

```

public static void main(String[] args) {
    int a,b,c,d,e,add;
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter the five numbers:\n");
    a=sc.nextInt();
    b=sc.nextInt();
    c=sc.nextInt();
    d=sc.nextInt();
    e=sc.nextInt();

    add=a+b+c+d+e;
    System.out.println("The addition of 5 numbers are "+add);
}
}

```

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

a)

```

import java.util.Scanner;
class Names
{
    public static void main(String[]args)
    {
        String mom,dad;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter mother's name:\n");
        mom=sc.nextLine();
        System.out.println("Enter father's name:\n");
        dad=sc.nextLine();
    }
}

```

```
System.out.println("Names are "+mom+"\t"+dad);  
}  
}
```

10)write a program to display your name in short like
yourname.fathernamfirstletter.sirnamefirstletter?

```
package Assignments;
```

```
import java.util.Scanner;
```

```
public class Surname {  
    public static void main(String[] args) {  
        String name;  
        String flast;  
        String surname;  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Enter the name:\n");  
        name=sc.next();  
  
        System.out.println("Enter the father name:\n");  
        flast=sc.next();  
  
        System.out.println("Enter the surnamename:\n");  
        surname=sc.next();  
  
        System.out.println("your complete name is "+ name+flast+surname);  
    }  
}
```

```
}
```

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

a) The point from where the program starts its execution or simply the entry point of Java programs is the main() method.

-> Here public is the access specifier, static is the keyword, void is the return type, main is the function, String[] args is the array of string type.

12) Write a program to display names of days by using commandLine arguments?

a)

```
import java.io.*;
import java.lang.*;
class Weeks{
    // Main method
    public static void main(String[] args)
    {
        // days of week
        String[] weekdays= { "Monday", "Tuesday", "Wednesday", "Thursday",
        "Friday", "Saturday", "sunday" };
        // Iterating 7 times only
        // since there are 7 days
        for (int d = 1; d < 8; d++) {
            // Message printing days in a week
            System.out.println(d + "st weekday - " + weekdays[d - 1]);
        }
    }
}
```


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

- 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.

14.what are the rules of naming the class

- class name should be named in uppercamel format.
- No space should be given between the words.
- If space is needed between words then underscore(_) and dollar(\$) symbol should be used between the words.
- Name should be unique.
- Name should not be a keyword.

15.what are the rules for naming the methods

- Method name follows the lowercamel case.
- Method name should be unique.
- No space should be given between words.
- Method name should not be a keyword.

16.what are the rules for naming variables in java

- Variable name follows the lowercamel case.
- Variable name should be unique.

- No space should be given between words.
- Variable name should not be a keyword.

17. which is the main entry point of java program

- `public static void main(String[] args)` is the main entry point of java program.

18. who is invoking the main method of java

- JVM is invoking the main method of java.

19. why main has to be static method

- 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.