**1.1. Write a program to show Interface Example in java?**

**Ans. interface** printable{

**void** print();

}

**class** A6 **implements** printable{

**public** **void** print(){System.out.println("Hello");}

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

A6 obj = **new** A6();

obj.print();

 }

}

**-**

**Q2.Write a program a Program with 2 concrete method and 2 abstract method in java ?**

// Abstract class example

**abstract** **class** AbstractExample {

    // Abstract method

**abstract** **void** display();

    // Concrete method

**void** show()

    {

        System.out.println("Concrete method of abstract class");

    }

// Subclass of abstract class

**class** SubClass **extends** AbstractExample {

    // Implementing the abstract method

**void** display()

    {

        System.out.println("Abstract method implemented");

    }

}

/\*\*

 \* Main class

 \*/

**public** **class** AbstractClass{

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

    {

        // Creating an object of the subclass

        SubClass obj = **new** SubClass();

        // Calling the abstract method

       obj.display();

        // Calling the concrete method

        obj.show();

    }

}

**Q3.Write a program to show the use of functional interface in java?**

**interface** sayable{

**void** say(String msg);

}

**public** **class** FunctionalInterfaceExample **implements** sayable{

**public** **void** say(String msg){

        System.out.println(msg);

    }

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

        FunctionalInterfaceExample fie = **new** FunctionalInterfaceExample();

        fie.say("Hello there");

    }

}

**Q4.What is an interface in Java?**

**Ans. interface is like a class which contains only contant , default,static method and it’s nested.**

**Q5.What is the use of interface in Java?**

**Ans. interface in java use to achieve abstraction . by using implements keywords we can implement classes to interface.**

**Q6.What is the lambda expression of Java 8?**

**Ans. when we have only one abstract method in interface we can use lambda expression .**

**Syntax of lambda expression is**

**(arguments)->{body}.**

**Q7.Can you pass lambda expressions to a method? When?**

A**lambda expression** passed in a method that has an argument of type of **functional interface**. If we need to pass a lambda expression as an argument, the type of parameter receiving the lambda expression argument must be of a functional interface type.

**Q8.What is the functional interface in Java 8?**

**Ans. the interface which have only one abstract method is known as functional interface.**

**Q9.What is the benefit of lambda expressions in Java 8?**

**Ans. code become very short by using lambda expression.**

**Ans. We can express a big method in 1 or two lines.**

[**Q10.Is**](http://Q10.Is) **it mandatory for a lambda expression to have parameters?**

**Ans. no ,it’s not mandatory.**