WEEKLY ASSESSMENT

BY X-WORKZ ODC

X-workZ

1. Write the output for the following code snippet

```
public class Xworkz {
        public static void main(String[] args) {
                String trainer1=null;
                String trainer2 = new String (“Dev”);
                if (trainer1.equals(trainer1))
                        System.out.println(“both trainer are same”);
                else
                        System.out.println(“both trainer are different”);
        }
}
```

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2. What is Exception and Exception handling ?
   How many ways we can handle Exception.

3. What is custom Exception ?
   why we are writing custom Exception?

4. What is Encapsulation.
   Rules for Encapsulation.

5. What is Polymorphism.
   Type's of Polymorphism.

6. What is overloading .
   write example for method overloading.

7. What is method overriding .
   write example for method overriding.

8. Predict the output for following code snippet

```
public class Xworkz {
	public static void main(String[] args) {
		main("X-workZ");
	}

	public static void main(String args) {
		System.out.println("args");
	}
}
```

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9. Predict the output for following code snippet

```
class Institutes{
        void providingTraining() {
                System.out.println ( " Institutes provide training" );
        }

        boolean providingTraining() {
                return true;
        }
}
```

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10. Predict the output for following code snippet

```
class Institutes{
        void providingTraining() {
                System.out.println("Institutes provide training");
        }
}
class Xworkz implements Institutes {
        @Override
        void providingTraining() {
                System.out.println(
                " X-workz provide java Enterprise application training" );
        }
}
public class XworkZUtil{
        public static void main(String[] args) {
                Institutes xworkz = new Xworkz();
                xworkz.providingTraining();
        }
}
```

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11. What is abstraction.
    how many ways we can achieve abstraction.
    how can we achieve 100% abstraction.

12. How many ways we can initialize value?
    Explain all the ways.

Practical

Do CRUD operation for below Example
with custom Exception and Exception handling,
inheritance and abstraction.

Object :- Mobiles
Properties :-

mobile ID	brand name
model name	serial number
price	no of camera
memory	

Implements the below function

```
boolean add ( MobileDTO dto );
void getAll ( );
MobileDTO deleteByMobileID( mobile ID);
MobileDTO updateBySerialNumber ( serialNumber );
void getAllByBrandName( brandName );
```