**Question No# 1. What is class?**

A class is nothing but a blueprint or a template for creating different objects which defines its properties and behaviors. Java class objects exhibit the properties and behaviors defined by its class. A class can contain fields and methods to describe the behavior of an object.

**Question No# 2. Difference between local and class variable?**

**Local variables:**

Local variables are declared in methods, constructors, or blocks.

Local variables are created when the method, constructor or block is entered and the variable will be destroyed once it exits the method, constructor or block.

**Class variable:**

Class variables also known as static variables are declared with the in a class, but outside a method, constructor or a block.

Example:

Class Abc {

Strig name;

int age ; // class variables

function info(){

String std\_name; //local variable

}

}

**Question No# 3. What is constructor?**

A constructor is a special method of a class or structure in object-oriented programming that initializes an object of that type. A constructor is an instance method that usually has the same name as the class, and can be used to set the values of the members of an object, either to default or to user-defined values.

Types of constructor .

Default constructor

Parameterrized constructor

Copy constructor  
[Conversion constructors](https://en.wikipedia.org/wiki/Constructor_(object-oriented_programming)#Conversion_constructors)

**Question No# 4. What is Access Modifiers?**

Java provides a number of access modifiers to set access levels for classes, variables, methods and constructors. The four access levels are:

Visible to the package, the default. No modifiers are needed.

Visible to the class only (private).

Visible to the world (public).

Visible to the package and all subclasses (protected).

**Question No# 5. What is setter and getter?**

'Getters' is a term for a method that gets the value of a variable. a setter sets the value.

Example:

class Info

{

    private String name;

    void setName(String name)

    {

        this.name = name;

    }

String getName()

    {

        return name;

    }

}

class Test

{

    public static void main(String[] args)

    {

        Info i = new Info();

        i.setNmae("Sadia Umar");

        System.out.print("my name is " + i.getName());

    }

}