# Assignment-2

1). What is a Conditional Statement?

Ans) Conditional statement says that the code has to be run if it met a true condition otherwise it will not run the code.

2). What is the syntax of the switch case statement?

Ans) switch(expression)

{

case value-1:

Block-1;

break;

case value-2:

Block-2;

break;

case value-n:

Block-n;

break;

default:

Block-1;

break;

}

3) Write the difference between break and continue statement?

Ans)

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| --- | --- |
| Break Statement | Continue Statement |
| It terminates the execution of remaining iteration of the loop. | It terminates only the current iteration of the loop. |
| Break stops the continuation of loop. | Continue do not stops the continuation of loop it only stops the current iteration. |
| Break can be used with switch, label | Continue cannot be used with the switch and labels |

4). What is looping statement?

Ans) A looping statement is a series of steps which is used to execute the statements repeatedly until the condition is failed.

5). What is the difference between while and the do while statement?

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| While loop | Do While loop |
| It is entry-controlled loop | It is exist-controlled loop |
| In this the controlling condition is appears at the start of the loop | In this the controlling condition is appears at the end of the loop |
| In this if condition is true the loop will be executed otherwise will not execute. | In this at least once it will execute the loop and checks the condition. |

6) What is an array? How it is created?

Ans) Array: Array is a linear data structure. Which is a collection of the homogenous data type and its size is fixed.

Creation of an array: var\_name = new type[size]

7) What is a class?

Ans) Class is a blueprint to build a specific type of object. It determines what the object will contains and how it behaves.

8). What is a constructor?

Ans) Constructor in java is a special method that is used to initialize the objects. we should note that constructor name should match the class name and return type must be void.

9) What is the use of copy constructor?

Ans) A copy constructor in a java class is a constructor that creates an object using another object of the same class. This helps us when we want to copy a complex object that has several fields.

10). What is the use of this keyword?

Ans) The ‘this’ keyword in java is a reference to the object of the current class using it we can refer a field, method, or constructor.

11) What is method over loading?

Ans) Method overloading is a feature that allows a class to have more than one method having the same name but the arguments values should be different.

12) What is a static variable?

Ans) A static variable is common to all the instances of the class because it is a class level variable. A single copy of static variable is created and we can share among all the instances.

13) What is access modifier?

Ans) Access modifiers specifies that which classes can access the given classes and its fields, constructors, methods. They are private, public, default, protected

14) What is the difference between static and instance methods?

Ans)

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| --- | --- |
| Static methods | Instance methods |
| These methods in java can be called without creating an object by class name. | These methods in java can be accessed by creating the object |
| They can be shared among all the objects from the class | Every individual object created from the class has its own copy of the instance methods. |
| Static methods cannot be overridden | Instance methods can be overridden |

15) What is an object and how it is created?

Ans) An object in java is created based on its class. In java the ‘new’ keyword is used to create new objects.

E.g. public class Institute

{

Public print (String name) {

System.out.print(name);

}

Public static void main (String [] args) {

Institute obj = new Institute(“Rahul”)

}

}