

Day-10 Assignment Questions

Question 1- How to create an object in Java?

Answer- We can use the “new” operator to create an object.

Example:

```
class Test
{
    String name;
    int a;
    public static void main(String []args) {
        Test t = new Test();
    }
}
```

Question 2: What is use of a new keyword in Java?

Answer – new keyword is use for creating the object of a class.

Question 3: What are the different types of variables in java?

Answer – Types of variables:

1. Based on the type of value represented by a variable:

a- Primitive variable

b- Reference variable

2. Based on behaviour and position of declaration all the variables:

a-Instance variable

b-Static variable

c-Local variable

Question 4: What is the difference between Instance variable and local variables?

Answer-

Instance variable- They are defined in class but outside the body of methods.

Local variable – They are defined as a type of variable declared within programming blocks or subroutines.

Instance variable- These variables are destroyed when the object is destroyed.

Local variable – These variables are destroyed when the method is exited.

Instance variable-It can be accessed throughout the class.

Local variable –Its access is limited to the method in which it is declared.

Instance variable – It is not compulsory to initialize instance variables before use.

Local variable – It is important to initialize local variables before use.

Question 5- In which area memory is allocated for instance variable and local variable?

Answer – In Heap Area memory is allocated for instance variable.

In stack memory is allocated for local variable.

Question 6- What is method overloading?

Answer – Two method having same name and different argument types is called as method overloading.