

## Basic chapter & array

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- Q1. Explain features of Java?
- Q2. Explain Why java is pure object oriented?
- Q3. Explain What is byte code and Why java develop by code?
- Q4. Explain What is JDK , JRE JVM?
- Q5. Explain Difference between JDK JRE and JVM?
- Q6. What is a Command line argument and Why use it?
- Q7. What does OOP explain with an example?
- Q8. Can we overload the main method?
- Q9. Can we pass different parameters in the main function other than string?
- Q10. Explain Bitwise Operator in Java?

## MCQ Question

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Question1 :

```
public class P {  
    public static void main(String[] args) {  
        int a = 10, b = 5, c = 1, result;  
        result = a-++c-++b;  
        System.out.println (result);  
    }  
}
```

Question2:

```
public class Second  
{    public static void main(String x1[]) {  
        int x = 0, y = 0 , z = 0 ;  
        x = (++x + y-- ) * z++;  
        System.out.println("X is "+x);  
    }  
}
```

```
}  
}
```

Question 3:

```
class Numbers{  
    public static void main(String args[]){  
        int a=20, b=10;  
        if((a < b) && (b++ < 25)){  
            System.out.println("This is any language logic");  
        }  
        System.out.println(b);  
    }  
}
```

Question 4

```
class MyClass  
{  
    public static void main(String s[])  
    { int i = 4;  
      int j = 21;  
      int k = ++i * 7 + 2 - j--;  
      System.out.println("k = " + k+"\t J="+j);  
    }  
}
```

Output: K= 16    J=20

Question5

```
package org.techhub;  
  
public class Demo  
{  
    public static void main(String[] args)
```

```
{ int i, j, k, l = 0;

    k = l++;

    j = ++k;

    i = j++;

    System.out.println("l is " + i);

}

}
```

#### Question6

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```
package org.techhub;

class Demo

{ public static void main(String s[])

    { int i = 34.0;

        int j = 7;

        int k = i % j;

        System.out.println("k = " + k );

    }

}
```

#### Question7

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```
package org.techhub;

class Demo

{

    public static void main(String s[])

    {

        int x = 42;

        double y = 42.25;

        System.out.println("x mod 10 = " + x % 10 );

    }

}
```

```
        System.out.println("y mod 10 = " + y % 10 );
    }
}
```

#### Question8

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```
package org.techhub;

class Demo{

    public static void main(String args[])
    {
        int var1 = 42;
        int var2 = ~var1;
        System.out.print(var1 + " " + var2);
    }
}
```

#### Qustion9

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```
package org.techhub;

class Demo {

    public static void main(String args[]) {

        int a = 3;
        int b = 6;
        int c = a | b;
        int d = a & b;
        System.out.println(c + "\t" + d);

    }
}
```

#### Question10

---

```
package org.techhub;

class Demo {

    public static void main(String args[])
    {
        byte x = 64;

        int i;

        byte y;

        i = x << 2;

        y = (byte) (x << 2);

        System.out.print(i + "\t" + y);

    }

}
```

#### Program

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1. Write program to input two values using command line argument and perform its swapping?
2. Write program to input number using Scanner class and reverse it?
3. Write program to character from keyboard and check character is alphabet digit or special symbols?
4. Write a program to input numbers and print its table?
5. Write program to input number and check number is perfect or not?
6. Write program to input number and check number is duck or not?
7. Write a program to input numbers and check if the number is palindrome or not?
8. Write program to input number and check number is Armstrong or not?
9. Write program to check if the number is prime or not?
10. Write a program to create an array of size 5 and display its value?