

Q1 To find the square of a given number by using Command line Argument.

```
public class Main {
    public static void main(String[] args) {
        int num = Integer.parseInt(args[0]);
        System.out.println("Square of " + num + " is " + num * num);
    }
}
```

Q2 Find the sum of two numbers.

```
public class Main {
    public static void main(String[] args) {
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);
        System.out.println("Sum of " + a + " and " + b + " is " + (a + b));
    }
}
```

Q3 As we know String is a collection of character. Internally it is a character array.

```
String str = "Hello";
char arr[] = str.toCharArray();
System.out.println(arr[0]); // H
System.out.println(arr[1]); // e
System.out.println(arr[2]); // l
System.out.println(arr[3]); // l
System.out.println(arr[4]); // o
```

Q4 If string has provided a predefined wire static method called `length()` internally. Then how can we get the length of string?

```
String str = "Hello";
System.out.println(str.length()); // 5
```

Q5 How to find the length of an array in Java?

* If true, whenever we create an array then automatically we are getting its length property.

```
String str = "Hello";
char arr[] = str.toCharArray();
System.out.println(arr.length); // 5
```

* Length property will be automatically generated during the array creation and after creation of array length is fixed and cannot be changed.

```
String str = "Hello";
char arr[] = str.toCharArray();
arr.length = 10; // Error
```

Q6 Example:

```
int arr[] = {10, 20, 30, 40, 50};
System.out.println(arr.length); // 5
```

What is true about the length of the array?

A) It is a variable
B) It is a constant
C) It is a reference
D) It is a pointer

Q7 Take the value from the command line arguments and perform the following operation:

A) If the length of the command line argument is 3 then, we'll take the command line argument 0, 1 & 2.
B) If the length of the command line argument is 2, then the addition of both the numbers.
C) If the length of the command line argument is 1, then we'll add 10 to the value.

```
use variables [2-4]
{
    if(args.length==3){
        if(args[0].equals("") || args[1].equals("") || args[2].equals("")){
            System.out.println("Please provide three arguments");
        } else {
            int a = Integer.parseInt(args[0]);
            int b = Integer.parseInt(args[1]);
            int c = Integer.parseInt(args[2]);
            System.out.println("Sum of "+a+" and "+b+" and "+c+" is "+(a+b+c));
        }
    } else if(args.length==2){
        if(args[0].equals("") || args[1].equals("")){
            System.out.println("Please provide two arguments");
        } else {
            int a = Integer.parseInt(args[0]);
            int b = Integer.parseInt(args[1]);
            System.out.println("Sum of "+a+" and "+b+" is "+(a+b));
        }
    } else {
        System.out.println("Please provide one argument");
    }
}
```

Q8 Q8 To find the area of circle when radius must be taken from the Command line Argument.

How to convert String to double.

```
public class Circle {
    public static void main(String[] args) {
        Example:
        Area a = new Area();
        a.setRadius(Integer.parseInt(args[0]));
        System.out.println(a.getArea());
    }
}
```

Example:

```
Area a = new Area();
a.setRadius(10);
System.out.println(a.getArea()); // 314.1592653589793
```

How to convert String into float.

```
public class Circle {
    public static void main(String[] args) {
        Example:
        Area a = new Area();
        a.setRadius(Float.parseFloat(args[0]));
        System.out.println(a.getArea());
    }
}
```

Example:

```
Area a = new Area();
a.setRadius("10");
System.out.println(a.getArea()); // 314.1592653589793
```

Q9 How to convert double to float?

Nothing conversion provides loss of precision (Characteristics)

A) Numerical Constant (Ordinary assigned code)

B) Numerical Constant (Assigned code)

C) None write a class in code

What is true about the numerical values when follow camel case naming convention, according to the best word matching rule?

1) First double PI = 3.14
2) CamelCase PI = 3.14
3) Double pi = 3.14
4) DoublePI = 3.14
5) Double pi = 3.14

Q10 How to write a constructor in java?

Java supports constructor overloading and follows camel case naming convention but unlike method variable does not have () symbol.

```
class Test {
    constructor()
    constructor()
    constructor()
    constructor()
}
```

Q11 How to write a class and static field?

Java supports the first and static field so should follow static, case naming convention.

Example:

```
final static int finalAndStaticField;
final static int finalAndStaticField;
final static int finalAndStaticField;
```

Q12 How to write a package?

A package must be written in lower case only. Generally it is reverse of company name.

```
com.google.google
com.google.google
com.google.google
```