

Java

1. How do we reverse a string?

```
public class Main {  
  
    public static void main(String[] args) {  
  
        String str = "Codiod";  
  
        String reversedStr = "";  
  
        System.out.println("Original string: " + str);  
  
        for (int i = 0; i < str.length(); i++) {  
  
            reversedStr = str.charAt(i) + reversedStr;  
  
        }  
  
        System.out.println("Reversed string: " + reversedStr);  
  
    }  
  
}
```

2. Nested If Else clause in java

```
public class NestedIfExample {  
    public static void main(String[] args) {  
        int studentMark = 38;  
        if (studentMark >= 40) {  
  
            if (studentMark >= 40 && studentMark <= 60) {  
                System.out.println("Pass: C grade");  
  
            }  
            else if (studentMark > 60 && studentMark < 80) {  
                System.out.println("Pass: B grade");  
  
            }  
            else if (studentMark >= 80 && studentMark < 90) {  
                System.out.println("Pass: A grade");  
  
            }  
            else if (studentMark >= 90 && studentMark <= 100) {  
                System.out.println("Pass: S grade");  
            }  
            else {  
                System.out.println("Fail");  
            }  
  
        }  
  
    }  
  
}
```

3. swapping of two numbers without using third variable in java

```
public static void main(String[] args) {  
  
    int x = 1;  
  
    int y = 3;  
  
    x = x + y;  
  
    y = x - y;  
  
    x = x - y;  
  
    System.out.println("After swapping:"  
+ " x = " + x + ", y = " + y);  
  
}  
  
}
```

4. Write a Java Program for Fibonacci series

```
public static void main(String[] args) {  
  
    int num1=0;  
    int num2=1;  
    int nextNum;  
    int length=5;  
    for(int i=0;i<length;i++) {  
        System.out.println(num1);  
        nextNum=num1+num2;  
        num1=num2;  
        num2=nextNum;  
  
    }  
  
}
```