1. Write java Program for Consider a scenario, Bank is a class that provides functionality to get rate of interest. But, rate of

interest varies according to banks. For example, SBI, ICICI and AXIS banks could provide 8%,
7% and 9% rate of interest.(Method Overriding)
Code:

```
class Bank {
    float getRateOfInterest() {
        return 0.0f;
    }
}

class SBI extends Bank {
    @Override
    float getRateOfInterest() {
        return 8.0f;
    }
}

class ICICI extends Bank {
    @Override
    float getRateOfInterest() {
        return 7.0f;
    }
}

class AXIS extends Bank {
    @Override
    float getRateOfInterest() {
        return 9.0f;
    }
}
```

```
public class Main {
    public static void main(String[] args) {
        Bank sbi = new SBI();
        Bank icici = new ICICI();
        Bank axis = new AXIS();

        System.out.println("SBI Rate of Interest: " + sbi.getRateOfInterest() + "%");
        System.out.println("ICICI Rate of Interest: " + icici.getRateOfInterest() + "%");
        System.out.println("AXIS Rate of Interest: " + axis.getRateOfInterest() + "%");
    }
}
```

output

```
java -cp /tmp/kUmsuIgl7g/Main
SBI Rate of Interest: 8.0%
ICICI Rate of Interest: 7.0%
AXIS Rate of Interest: 9.0%

=== Code Execution Successful ===
```

2. Develop a JAVA code to display the balance. Include the following members:

•Design a class to represent a bank account.

•Data Members: Name of the depositor, Account number, Type of account(Savings/Current), Balance amount in the account(Minimum balance is Rs.500.00)

•Methods:

1.To read account number, Depositor name, Type of account.

2.To deposit an amount (Deposited amount should be added with it)

3.To withdraw an amount after checking balance(Minimum balance must be Rs.500.00

Note : Assume that balance amount = 10000

Test Cases

1.100, Raja, S, 8000

2.Raja, 100, S, 9000

3.101, Rani, S, 12000

4.102, Ragu, W, 8000
5.103, Ravi, C, 10000

Code:

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class Bank {
    float getRateOfInterest() {
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class SBI extends Bank {
    @Override
    float getRateOfInterest() {
        return 8.0f;
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class ICICI extends Bank {
    @Override
    float getRateOfInterest() {
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    @Override
    float getRateOfInterest() {
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}

public class Main {
    public static void main(String[] args) {
```

```
        Bank sbi = new SBI();
        Bank icici = new ICICI();
        Bank axis = new AXIS();

        System.out.println("SBI Rate of Interest: " + sbi.getRateOfInterest() + "%");
        System.out.println("ICICI Rate of Interest: " + icici.getRateOfInterest() + "%");
        System.out.println("AXIS Rate of Interest: " + axis.getRateOfInterest() + "%");
    }
}
```