

Q.:

Abstract class:-

Abstract class, Account {

public abstract boolean withdraw(double amount);

public abstract String getDescription();

}

public class checkingAccount extends Account {

private final double overdraftLimit;

public checkingAccount(double balance, double
overdraftLimit) {

super(balance);

this.overdraftLimit = overdraftLimit;

}

public checkingAccount(double balance) {

this(balance, 0);

}

@Override

public String getDescription() {

return "checking Account";

}

@Override

```
public boolean withdraw (double amount) {
    if (amount <= balance + overDraftLimit) {
        balance -= amount;
        return true;
    } else {
        return false;
    }
}
```

* Abstract Banking main :-

```
public class AbstractBankingMain {
    public static void main (String[] args) {
        Bank bank = new Bank();
        bank.addCustomer ("Will", "Smith");
        Customer customer = bank.getCustomer(0);
        customer.addAccount (new
            savingAccount (500.00));
    }
}
```