1. write a java program to create a class as bank account with methods called deposite () andwithdraw () create a subclass called savings account that override the withdraw () method to parent withdraw if the account balance fails below one hundred

PROGRAM:

```
class BankAccount {
protected double balance;
public BankAccount(double initialBalance) {
this.balance = initialBalance;
}
public void deposit(double amount) {
if (amount > 0) {
balance += amount;
System.out.println("Deposited: " + amount);
System.out.println("New balance: " + balance);
} else {
System.out.println("Deposit amount must be positive");
}
}
public void withdraw(double amount) {
if (amount > 0 && amount <= balance) {
balance -= amount;
System.out.println("Withdrew: " + amount);
System.out.println("New balance: " + balance);
} else {
System.out.println("Withdrawal amount must be positive and less than or equal
to the
current balance");
}
} public double getBalance() {
return balance;
}
}
class SavingsAccount extends BankAccount {
public SavingsAccount(double initialBalance) {
super(initialBalance);
}
@Override
public void withdraw(double amount) {
if (balance - amount >= 100) {
super.withdraw(amount);
} else {
System.out.println("Cannot withdraw. Balance would fall below $100");
}
}
}
```

```
public class Main {
public static void main(String[] args) {
SavingsAccount savings = new SavingsAccount(500);
savings.deposit(200);
savings.withdraw(150);
savings.withdraw(460);
savings.withdraw(50);
}
}
```

OUTPUT: