Unit 2 challenge

```python
class Player:
    def play(self):
        print("The player is playing cricket.")

# Define the derived class Batsman
class Batsman(Player):
    def play(self):
        print("The batsman is batting.")

# Define the derived class Bowler
class Bowler(Player):
    def play(self):
        print("The bowler is bowling.")

# Create objects of Batsman and Bowler classes
batsman = Batsman()
bowler = Bowler()

# Call the play() method for each object
```

```
/nix/store/zqk3m21442kvpjwd3rh41wdavqkzkyik-python3-wrapper/bin/python3 $file
The batsman is batting.
The bowler is bowling.
```

Program 3

```python
class Bank_Account:
    def __init__(self):
        self.balance=0
        print("Hello!!! Welcome to the Deposit & Withdrawal Machine")

    def deposit(self):
        amount=float(input("Enter amount to be Deposited: "))
        self.balance += amount
        print("\n Amount Deposited:",amount)

    def withdraw(self):
        amount = float(input("Enter amount to be Withdrawn: "))
        if self.balance>=amount:
            self.balance-=amount
            print("\n You Withdrew:", amount)
        else:
            print("\n Insufficient balance  ")
```

```
Machine
Enter amount to be Deposited: 1000.0

 Amount Deposited: 1000.0
Enter amount to be Withdrawn: 500.0

 You Withdrew: 500.0

 Net Available Balance= 500.0
```