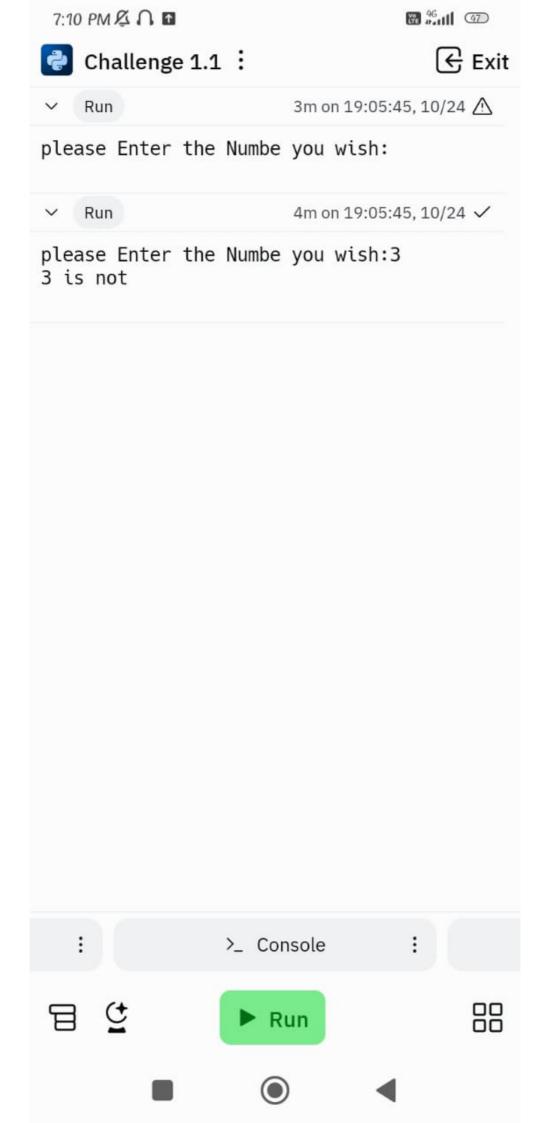
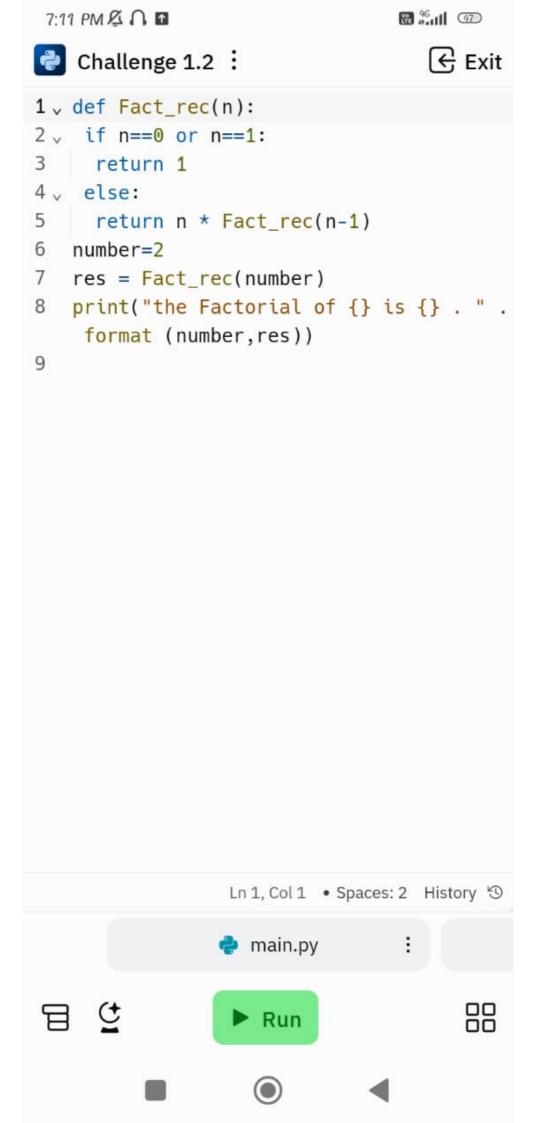
```
7:05 PM A A . A
                                   46 47
Challenge 1.1

← Exit

 1 num=int(input("please Enter the
    Numbe you wish:"))
 2 \sqrt{\text{if (num} 4==0)}:
 3 ~
       if(num%100==0):
          if (num%400==0):
 4 ~
 5
            print("%d is a leap year"%num)
         else:
 6 ,
            print("%d is not"%num)
 7
 8
9 ,
       else:
      print("%d is a leap year"%num)
10
11 velse:
12
     print("%d is not"%num)
13
14
                   Ln 1, Col 1 • Spaces: 2 History '5
                   main.py
                                         88
                    Run
```





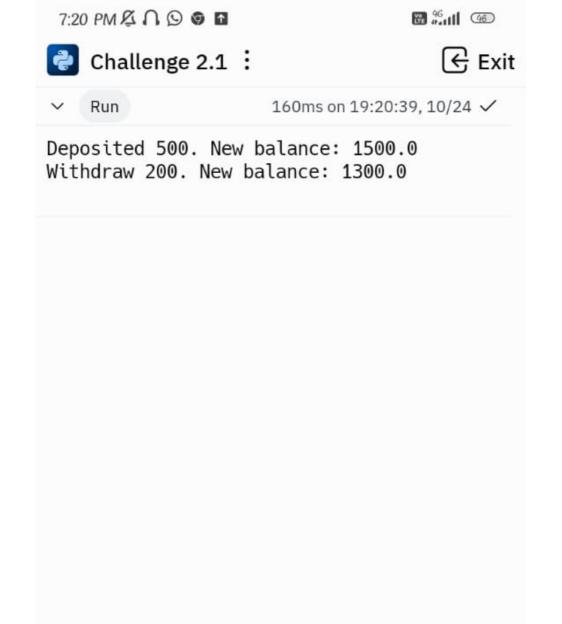


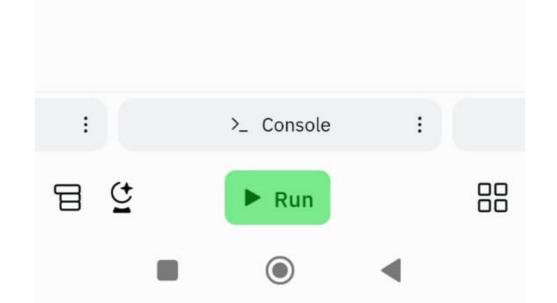


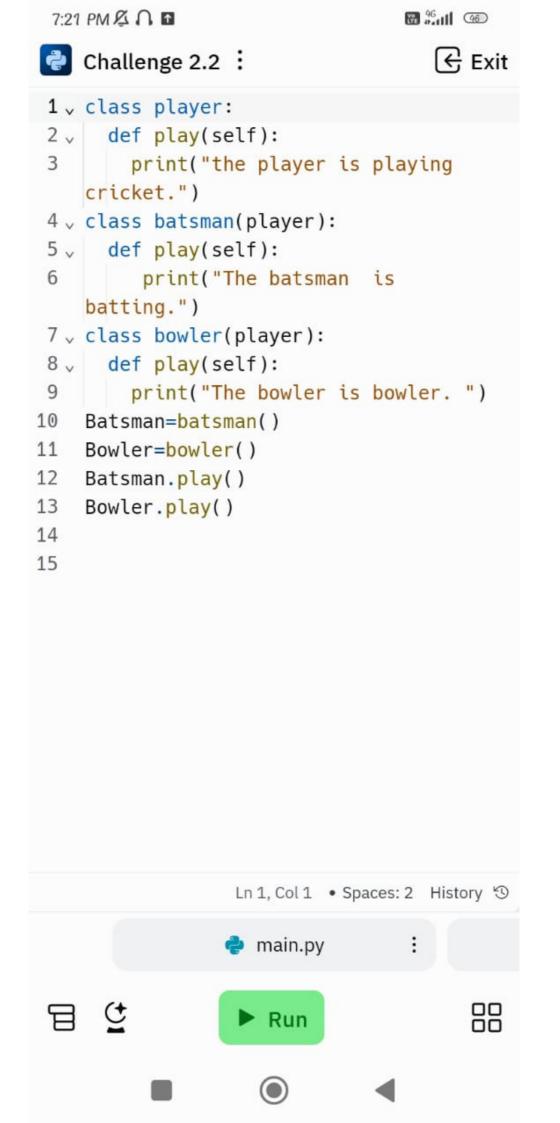
```
7:20 PM & A O O O
                                  46 46
Challenge 2.1

← Exit

    New patance: {} ..ormat(amount,
    self.__account_balance))
11 \
             else:
12
                 print('Invalid deposit
    amount. Please deposit a positive
    amount.')
13
        def withdraw(self, amount):
14 \
             if amount > 0 and amount <=
15 ~
    self.__account_balance:
                 self.__account_balance -
16
    = amount
17
                 print('Withdraw {}. New
    balance: {}'.format(amount,
    self. account balance))
18 ~
             else:
19
                 print('Invalid withdraw
    amount or insufficient balance.')
20
    # Example usage:
21
22
    account = BankAccount("12345",
    "John Doe", 1000.0)
    account.deposit(500)
23
24
    account.withdraw(200)
                  Ln 1, Col 1 • Spaces: 2 History 'S
                   main.py
```









```
46 46
 7:23 PM A A
Challenge 3.1

← Exit

             seti.cgpa = cgpa
 O
 7
8 \ def sort_students(student_list):
        sorted_students =
    sorted(student_list, key=lambda
    student: student.cgpa, reverse=True)
10
        return sorted_students
11
12 \vee students = [
13
        Student("Hari", "A123", 7.8),
14
        Student("Srikanth", "A124",
    8.9),
15
        Student("Saunya", "A125", 9.1),
16
        Student("Mahidhar", "A126",
    9.9),
17
    1
18
19
    sorted_students =
    sort_students(students)
20
21 v for student in sorted_students:
        print("Name: {}, Roll Number:
22
    {}, CGPA: {}".format(student.name,
    student.roll_number, student.cgpa))
                  Ln 1, Col 1 • Spaces: 2 History '9
                   main.py
                    Run
```







€ Exit



239ms on 19:23:30, 10/24 🗸

Name: Mahidhar, Roll Number: A126, CGPA

: 9.9

Name: Saunya, Roll Number: A125, CGPA:

9.1

Name: Srikanth, Roll Number: A124, CGPA

: 8.9

Name: Hari, Roll Number: A123, CGPA: 7.

8



```
7:21 PM & A 1
                                 Challenge 3.2
                                    ← Exit
1 v def
    linear_search_product_list(productLis
    t, targetProduct):
        indices = []
2
3 ,
        for index, product in
    enumerate(productList):
            if product == targetProduct:
4 ~
5
                indices.append(index)
        return indices
6
7
8
    # Example usage:
    products = ["shoes", "boot",
9
    "loafes", "shoes", "sandal", "shoes"]
10
    target = "shoes"
    target2 = "apple"
11
    result =
12
    linear_search_product_list(products,
    target)
13
    print(result)
                  Ln 1, Col 1 • Spaces: 2 History 'S
                   main.py
                                       88
                    Run
```

