PYTHON ASSIGNMENT - 1

Q1. WAP to take users favourite movies and store it in a list and print it at the end

Code:-

```python
num_movies = int(input("Enter number of movies: "))

movie_list = []


i = 1

while i <= num_movies:

    movie = input(f"Enter the name of movie {i}: ")

    movie_list.append(movie)

    i += 1


print("Your favorite movies are:", movie_list)
```
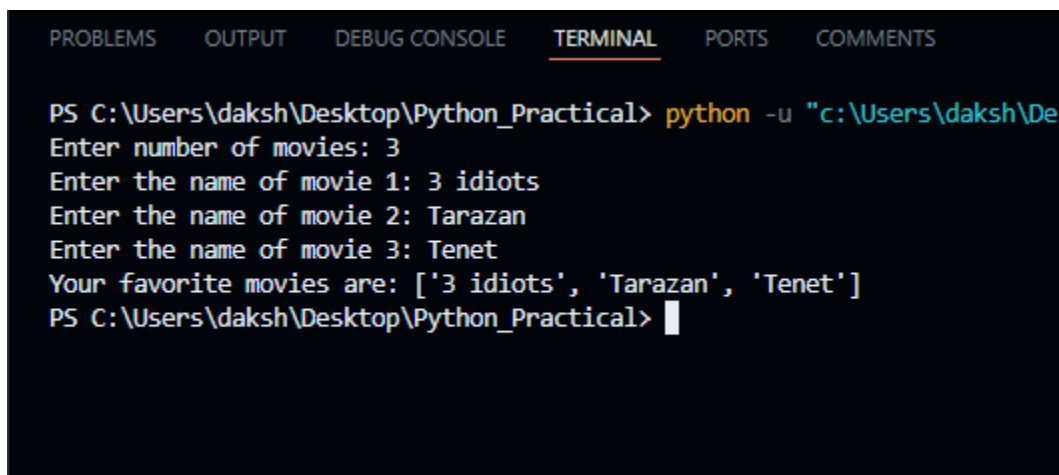
Output:

Q2. WAP to check if a list is palindrome

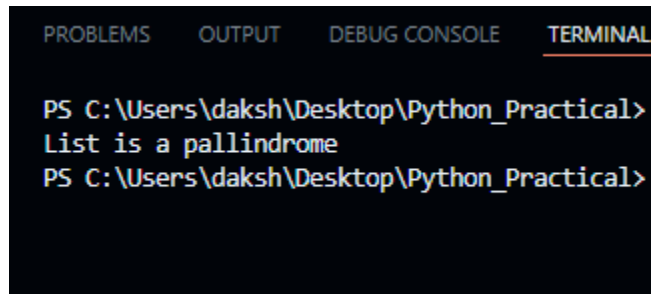Code:-

```python
list = [1,2,3,2,1]
```

```python
list1 = list.copy()

list1.reverse()


if list == list1:

    print("List is a pallindrome")


else:

    print("List isn't a pallindrome")
```

Output:

Q3. WAP to evaluate methods of string

Code:-


```python
sample_string = "Hello, World!"


# Convert to uppercase

upper_string = sample_string.upper()

print("Uppercase:", upper_string)
```

```python
# Convert to lowercase
lower_string = sample_string.lower()
print("Lowercase:", lower_string)


# Capitalize the first letter
capitalized_string = sample_string.capitalize()
print("Capitalized:", capitalized_string)


# Find a substring
substring_index = sample_string.find("World")
print("Index of 'World':", substring_index)


# Replace a substring
replaced_string = sample_string.replace("World", "Python")
print("Replaced string:", replaced_string)
```
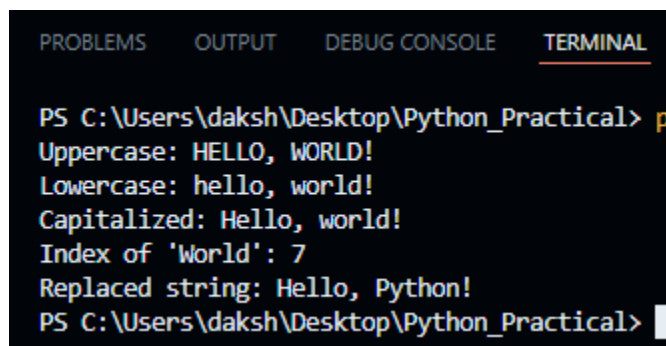
Output:-


```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS C:\Users\daksh\Desktop\Python_Practical> p
Uppercase: HELLO, WORLD!
Lowercase: hello, world!
Capitalized: Hello, world!
Index of 'World': 7
Replaced string: Hello, Python!
PS C:\Users\daksh\Desktop\Python_Practical>
```

4. WAP to find a matching element from the list

Code:-

```python
list = [1,2,3,4,5,6]
num = int(input("Enter the value of element you want to find: "))
i=1


while i<len(list):
    if num == list[i]:
        print(num , 'found at' , list[i])
        break
    else:
        print("Searching")
    i+=1
```
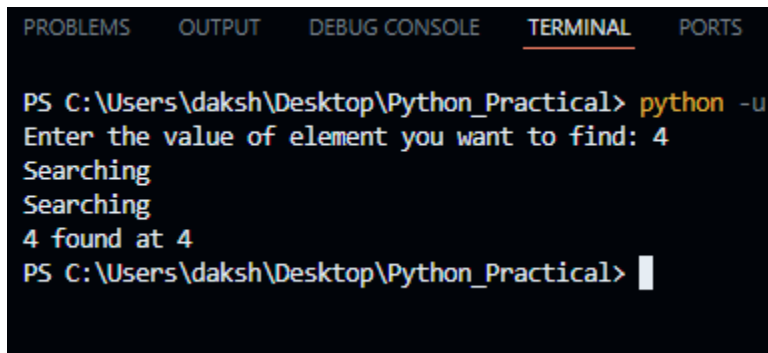
Output:-

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS C:\Users\daksh\Desktop\Python_Practical> python -u
Enter the value of element you want to find: 4
Searching
Searching
4 found at 4
PS C:\Users\daksh\Desktop\Python_Practical>
```

5. WAP to check if a string is palindrome

Code:-

```python
samp_string = str(input("Enter your string: "))

if samp_string == samp_string[::-1]:
    print("Your string is a pallindrome")
else:
    print("Your string is not a pallindrome")
```
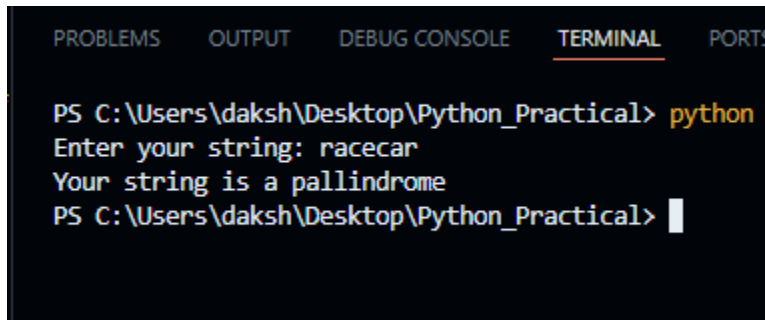
Output:-

6. WAP to find the frequency of an element provided by user in the list

Code:-

```python
list = [1,2,3,4,5,6,3,3,3,3]
num = int(input("Enter the value of element you want to find: "))
i=1
count=0
while i<len(list):
    if num == list[i]:
        print(num , 'found at' , 'list ',i)
```
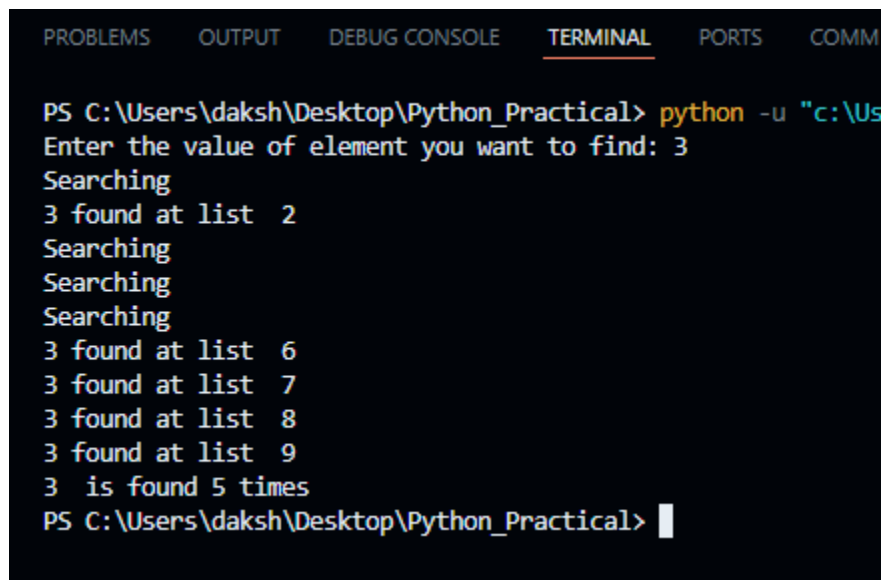
```
        count += 1


    else:

        print("Searching")

    i+=1


print(num,' is found',count,'times')
```

Output:-