PROGRAM TO CLEAR A DICTIONARY

```python
my_dict = {
    "name": "Akhil",
    "age": 23,
    "city": "Hyderabad"
}

print("Original dictionary:", my_dict)

my_dict.clear()

print("Cleared dictionary:", my_dict)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
"c:/Users/Akhil katta/OneDrive/Desktop/ZROCK Gold_Internship_Akhil Katta/src/clear_dictonary.py"
Original dictionary: {'name': 'Akhil', 'age': 23, 'city': 'Hyderabad'}
Cleared dictionary: {}
```

FOR LOOP TO PRINT THE SQUARE OF NUMBERS FROM 1TO10

```python
for number in range(1, 11):

    square = number ** 2

    print(f"The square of {number} is {square}")

```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
 "c:/Users/Akhil katta/OneDrive/Desktop/ZROCK Gold_Internship_Akhil Katta/src/for_loop_s
The square of 1 is 1
The square of 2 is 4
The square of 3 is 9
The square of 4 is 16
The square of 5 is 25
The square of 6 is 36
The square of 7 is 49
The square of 8 is 64
The square of 9 is 81
The square of 10 is 100
PS C:\Users\Akhil katta\OneDrive\Desktop\ZROCK Gold_Internship_Akhil Katta> 
```

CONVERT A STRING TO A LIST OF CHARACTERS

```
src > List-character.py > name
1    name="Akhil"
2    name=list(name)
3    print(name)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
"c:/Users/Akhil katta/OneDrive/Desktop/ZROCK Gold_Internship_Akhil Katta/src/List-character.py"
['A', 'k', 'h', 'i', 'l']
```

FINDING THE MINIMUM NUMBER IN THE ARRAY

```
1   def find_minimum(arr):
2       if len(arr) == 0:
3           return None
4       min_num = arr[0]
5       for num in arr:
6           if num < min_num:
7               min_num = num
8       return min_num
9
10
11  array = [3, 5, 1, 9, -2, 7]
12  min_value = find_minimum(array)
13  print("The minimum number in the array is:", min_value)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\Akhil katta\OneDrive\Desktop\ZROCK Gold_Internship_Akhil Katta> & "C:/Program Files/Python312/python.exe
 "c:/Users/Akhil katta/OneDrive/Desktop/ZROCK Gold_Internship_Akhil Katta/src/minimum_number_array.py"
The minimum number in the array is: -2
```

PROGRAM TO FIND A SQUARE OF A NUMBER

```
1   def square_number(number):
2       return number ** 2
3
4
5   num = float(input("Enter a number: "))
6
7
8   result = square_number(num)
9   print(f"The square of {num} is {result}")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS C:\Users\Akhil katta\OneDrive\Desktop\ZROCK Gold_Internship_Akhil Katta> & "C:/Program Files/Python312/python.exe"
 "c:/Users/Akhil katta/OneDrive/Desktop/ZROCK Gold_Internship_Akhil Katta/src/Square_number.py"
Enter a number: 2
The square of 2.0 is 4.0
```