```
print(" (Store Second year Percentage)\n")
def Insertion_Sort(marks):
    for i in range(len(marks)):
        min_idx = i
        for j in range(i + 1, len(marks)):
            if marks[min_idx] > marks[j]:
                min_idx = j
        marks[i], marks[min_idx] = marks[min_idx], marks[i]
    print("Marks of students after performing Insertion Sort on the list:")
    for i in range(len(marks)):
        print(marks[i])
def Shell_Sort(marks):
    n = len(marks)
    for i in range(n - 1):
        for j in range(0, n - i - 1):
            if marks[j] > marks[j + 1]:
                marks[j], marks[j + 1] = marks[j + 1], marks[j]
    print("Marks of students after performing Shell Sort on the list:")
    for i in range(len(marks)):
        print(marks[i])
def top_five_marks(marks):
    print("Top", min(5, len(marks)), "Marks are:")
    for mark in sorted(marks, reverse=True)[:5]:
        print(mark)
marks = []
n = int(input("Enter the number of students whose marks are to be displayed: "))
print(f"Enter marks for {n} students (Press ENTER after every student's marks): ")
for i in range(n):
    ele = int(input())
    marks.append(ele)
print("The marks of", n, "students are:")
print(marks)
flag = 1
while flag == 1:
    print("\n-
                                  -menu-
    print("1. Insertion Sort of the marks")
    print("2. Shell Sort of the marks")
    print("3. Exit")
    ch = int(input("\n\nEnter your choice (from 1 to 3): "))
    if ch == 1:
        Insertion_Sort(marks)
        a = input("\nDo you want to display the top marks from the list (yes/no):
")
        if a.lower() == 'yes':
            top_five_marks(marks)
        else:
```

```
print("\nThanks for using this program!")
    elif ch == 2:
        Shell_Sort(marks)
        a = input("\nDo you want to display the top five marks from the list (yes/
no): ")
        if a.lower() == 'yes':
            top_five_marks(marks)
        else:
            print("\nThanks for using this program!")
    elif ch == 3:
        print("\nThanks for using this program!!")
        flag = 0
    else:
        print("\nEnter a valid choice!!")
        print("\nThanks for using this program!!")
        flag = 0
"""***********OUTPUT******
*** Remote Interpreter Reinitialized ***
(Store Second year Percentage)
Enter the number of students whose marks are to be displayed: 5
Enter marks for 5 students (Press ENTER after every student's marks):
32
112
21
23
65
The marks of 5 students are:
[32, 112, 21, 23, 65]
                    -menu-
1. Insertion Sort of the marks
2. Shell Sort of the marks
3. Exit
Enter your choice (from 1 to 3): 1
Marks of students after performing Insertion Sort on the list:
21
23
32
65
112
Do you want to display the top marks from the list (yes/no): yes
Top 5 Marks are:
112
65
32
23
```

21

```
-menu-
1. Insertion Sort of the marks
2. Shell Sort of the marks
3. Exit
Enter your choice (from 1 to 3): 2
Marks of students after performing Shell Sort on the list:
21
23
32
65
112
Do you want to display the top five marks from the list (yes/no): yes
Top 5 Marks are:
112
65
32
23
21
                     -menu-
1. Insertion Sort of the marks
2. Shell Sort of the marks
3. Exit
Enter your choice (from 1 to 3): 3
Thanks for using this program!!
>>>
```