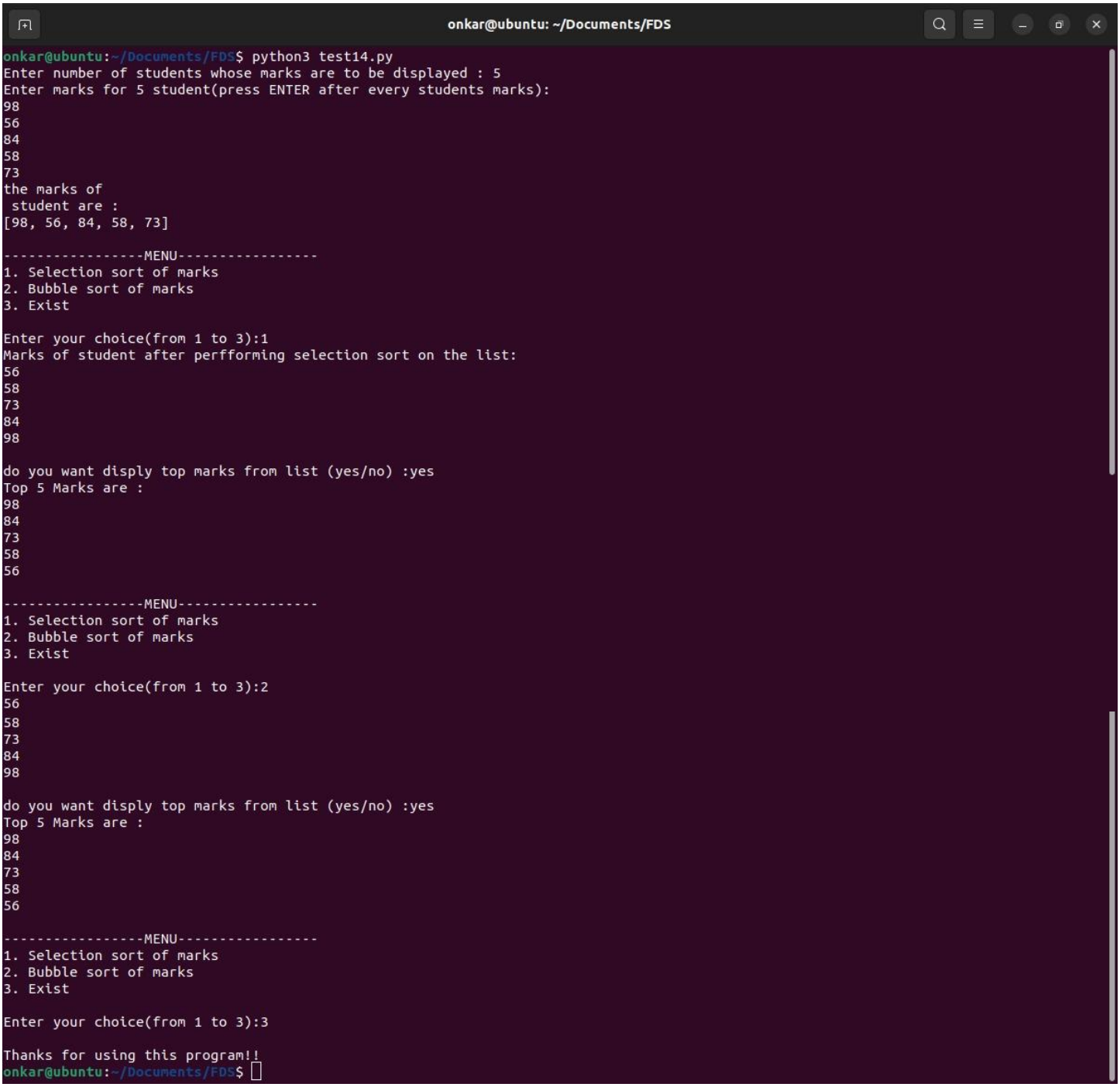
Open | *test14.py ~/Documents/FDS | Save

```python
def Selection_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 student after perfforming selection sort on the list:")
    for i in range(len(marks)):
       print (marks[i])

def Bubble_Sort(marks):
    n = len(marks)
    for i in range(n-1):
     for j in range (0,n-i-1):
       if marks[j] > marks[i]:
         marks[i],marks[j-1],marks[j]

    for i in range(len(marks)):
       print(marks[i])

def top_five_marks(marks):
    print("Top",len(marks),"Marks are : ")
    print(*marks[::-1],sep="\n")

marks =[]
n = int(input("Enter number of students whose marks are to be displayed : "))
print("Enter marks for",n,"student(press ENTER after every students marks):")
for i in range(0,n):
      ele=int(input())
      marks.append(ele)

print("the marks of","\n","student are :")
print(marks)

flag=1
while flag ==1:
    print("\n-----------------MENU-----------------")
    print("1. Selection sort of marks")
    print("2. Bubble sort of marks")
    print("3. Exist")
    ch=int(input("\nEnter your choice(from 1 to 3):"))

    if ch==1:
      Selection_Sort(marks)
      a=input("\ndo you want disply top marks from list (yes/no) :")
      if a =="yes":
        top_five_marks(marks)
      else:
        print("\nThanks for using this program!")
        flag=0

    elif ch==2:
      Bubble_Sort(marks)
      a=input("\ndo you want disply top marks from list (yes/no) :")
      if a =="yes":
        top_five_marks(marks)
      else:
        print("\nThanks for using this program!")
        flag=0

    elif ch==3:
        print("\nThanks for using this program!!")
        flag=0

    else:
          print("\nEnter a valid choice!!")
          flag=0
```

Python 2 | Tab Width: 8 | Ln 69, Col 44 | INS


onkar@ubuntu: ~/Documents/FDS
onkar@ubuntu:~/Documents/FDS$ python3 test14.py
Enter number of students whose marks are to be displayed : 5
Enter marks for 5 student(press ENTER after every students marks):
98
56
84
58
73
the marks of
student are :
[98, 56, 84, 58, 73]
----------MENU----------
1. Selection sort of marks
2. Bubble sort of marks
3. Exist
Enter your choice(from 1 to 3):1
Marks of student after perfforming selection sort on the list:
56
58
73
84
98
do you want disply top marks from list (yes/no) :yes
Top 5 Marks are :
98
84
73
58
56
----------MENU----------
1. Selection sort of marks
2. Bubble sort of marks
3. Exist
Enter your choice(from 1 to 3):2
56
58
73
84
98
do you want disply top marks from list (yes/no) :yes
Top 5 Marks are :
98
84
73
58
56
----------MENU----------
1. Selection sort of marks
2. Bubble sort of marks
3. Exist
Enter your choice(from 1 to 3):3
Thanks for using this program!!
onkar@ubuntu:~/Documents/FDS$