

Assignment No: 02

Name: Tanvi Sanjay Dongare

Class: SY-1

Batch: C

PRN: B25CE2010

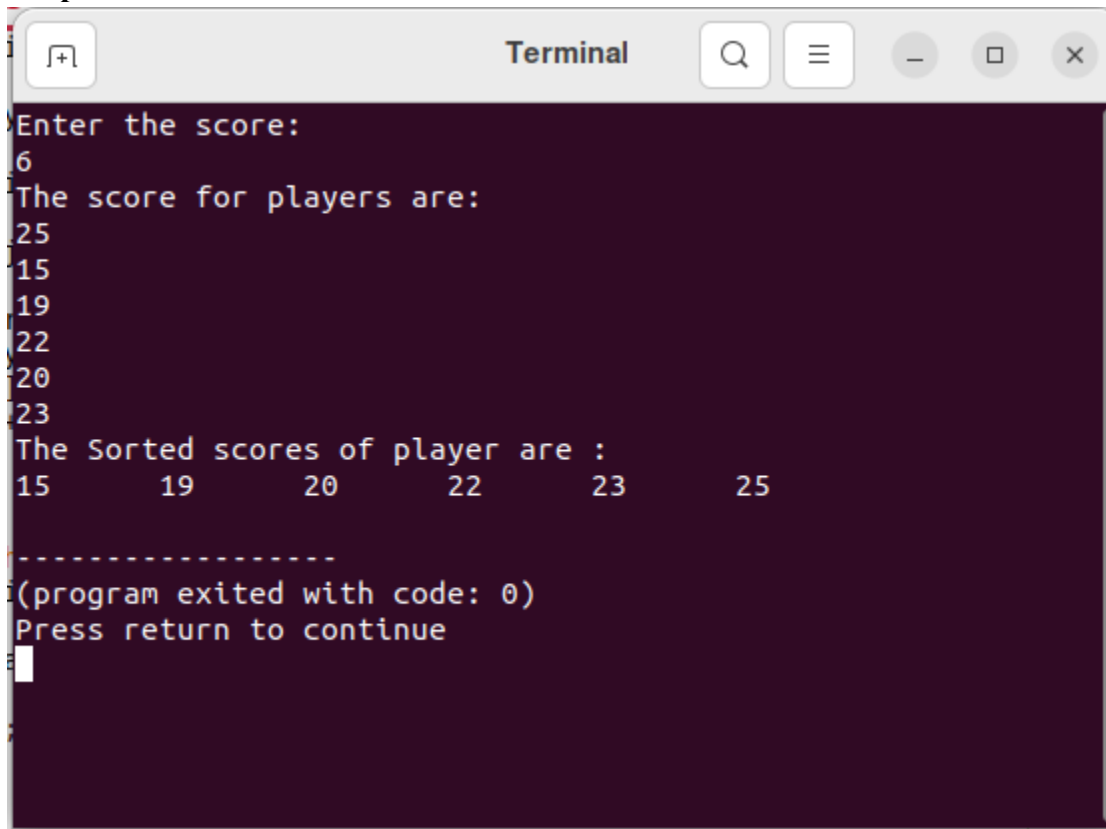
Part A:Game Development

Program:

```
#include<iostream>
using namespace std;
int main()
{
    int player[10],n,temp;
    cout<<"Enter the score:"<<endl;
    cin>>n;

    cout<<"The score for players are:"<<endl;
    for(int i=0;i<n;i++)
    {
        cin>>player[i];
    }
    for(int i=0;i<n;i++)
    {
        for(int j=0;j<n-i-1;j++)
        {
            if(player[j]>player[j+1]){
                temp=player[j];
                player[j]=player[j+1];
                player[j+1]=temp;
            }
        }
    }
    cout<<"The Sorted scores of player are :"<<endl;
    for(int i=0;i<n;i++)
    {
        cout<<player[i]<<"\t";
    }
    return 0;
}
```

Output:

A terminal window titled "Terminal" with standard macOS window controls (zoom, search, menu, zoom out, close). The terminal has a dark purple background with white text. It shows the following output: "Enter the score:", "6", "The score for players are:", "25", "15", "19", "22", "20", "23", "The Sorted scores of player are :", "15", "19", "20", "22", "23", "25", a dashed line separator, "(program exited with code: 0)", and "Press return to continue". A white cursor is visible on the line "Press return to continue".

```
Enter the score:
6
The score for players are:
25
15
19
22
20
23
The Sorted scores of player are :
15      19      20      22      23      25
-----
(program exited with code: 0)
Press return to continue
```

Part B:-Organizing Cards in a Hand

Program:

```
#include <iostream>
using namespace std;
int main()
{
    int cards[10], n, j;
    int key;
    cout << "Enter the number of cards:" << endl;
    cin >> n;
    cout << "Enter the cards No to sort:" << endl;
    for (int i = 0; i < n; i++)
    {
        cin >> cards[i];
    }

    for (int i = 1; i < n; i++)
    {
```

```

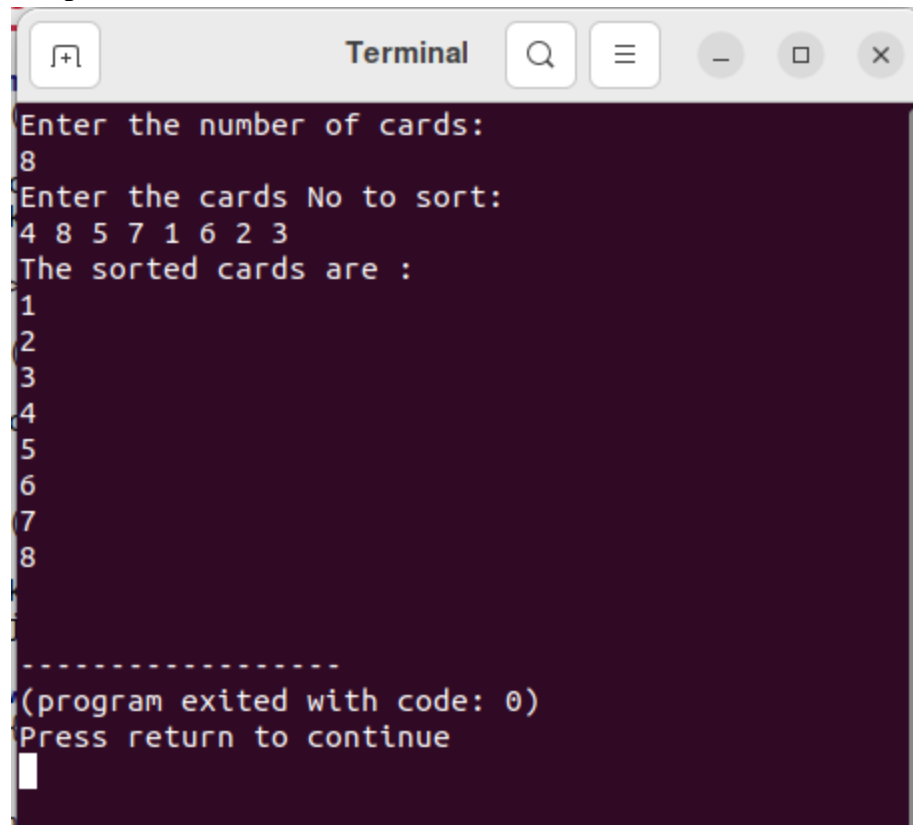
    key = cards[i];
    j = i - 1;
    while (j >= 0 && cards[j] > key)
    {
        cards[j + 1] = cards[j];
        j = j - 1;
    }
    cards[j + 1] = key;
}

cout << "The sorted cards are !" << endl;
for (int i = 0; i < n; i++)
{
    cout << cards[i] << endl;
}

return 0;
}

```

Output:



```

Terminal
Enter the number of cards:
8
Enter the cards No to sort:
4 8 5 7 1 6 2 3
The sorted cards are :
1
2
3
4
5
6
7
8
-----
(program exited with code: 0)
Press return to continue

```