

Assignment No: 02

Name: Tanvi Sanjay Dongare

Class: SY-1

Batch: C

PRN: B25CE2010

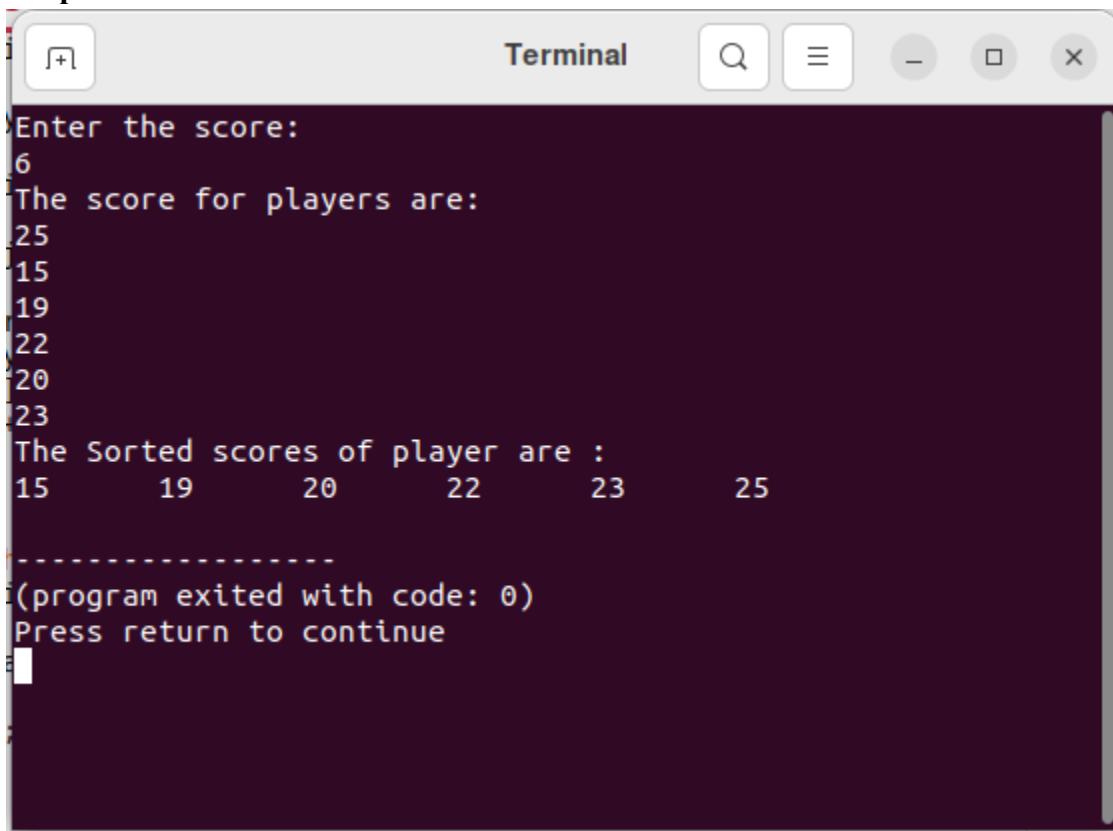
Part A:Game Development

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 screenshot of a macOS Terminal window titled "Terminal". The window shows the following text 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  
-----  
(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:

```

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

```