```
#include <iostream>
using namespace std;
int main(){
    string temp;
    int tempInt , n;
    string item[] = {"Botol", "Gunting", "Buku", "Spidol", "Map"};
    int harga[] = {35000,8000,5000,28000,5500},
        terjual[] = {5,10,2,8,3};
    cout << "\n\nData Sebelum diurutkan" << endl;
cout << "------</pre>
                                                       --" << endl;
    cout << "Nama Item\tHarga(Rp)\tTerjual" << endl;</pre>
    for(int i=0;i<n;i++){
        cout << item[i] << "\t\t" << harga[i] << "\t\t" << terjual[i] << "\t\t" << endl;
    cout << endl;</pre>
    for(int iteration =1;iteration<n;iteration++){</pre>
        for(int index=0;index<n-iteration;index++){</pre>
             if(item[index] > item[index+1]){ / untuk Ascending menggunakan > dari , sedangkan Descending menggunakan < "/</pre>
                 temp = item[index];
                 item[index] = item[index+1];
                 item[index+1] = temp;
                 tempInt = harga[index];
                 harga[index] = harga[index+1];
                 harga[index+1] = tempInt;
```

```
for(int iteration =1;iteration<n;iteration++){</pre>
    for(int index=0;index<n-iteration;index++){</pre>
        if(item[index] > item[index+1]){    /* untuk Ascending menggunakan > dari , sedangkan Descending menggunakan < */</pre>
            temp = item[index];
            item[index] = item[index+1];
            item[index+1] = temp;
            tempInt = harga[index];
            harga[index] = harga[index+1];
            harga[index+1] = tempInt;
            tempInt = terjual[index];
            terjual[index] = terjual[index+1];
            terjual[index+1] = tempInt;
cout << "\n\nData Setelah diurutkan (Bubble Sort Ascending)" << endl;</pre>
cout << "Nama Item\tHarga(Rp)\tTerjual" << endl;</pre>
for(int i=0;i<n;i++){</pre>
    cout << item[i] << "\t\t" << harga[i] << "\t\t" << terjual[i] << "\t\t" << endl;
cout << endl;</pre>
```

```
cout << "\n\nData Setelah diurutkan (Bubble Sort Ascending)" << endl;
cout << "-----" << endl;</pre>
                                                            -" << endl;
cout << "Nama Item\tHarga(Rp)\tTerjual" << endl;</pre>
     cout << item[i] << "\t\t" << harga[i] << "\t\t" << terjual[i] << "\t\t" << endl;</pre>
cout << endl;</pre>
int firstOutOfOrder , location , tempTerjual , tempHarga;
string tempItem;
for(firstOutOfOrder=1;firstOutOfOrder<n;firstOutOfOrder++){</pre>
     tempTerjual = terjual[firstOutOfOrder];
     tempHarga = harga[firstOutOfOrder];
tempItem = item[firstOutOfOrder];
     location = firstOutOforder;
     /* untuk Ascending menggunakan > dari , sedangkan Descending menggunakan < gunakan pada bagian terjual[location-1] < / > tempTerjual */
while(terjual[location-1] < tempTerjual && location >= 1){
          terjual[location] - terjual[location-1];
         harga[location] = harga[location-1];
item[location] = item[location-1];
     terjual[location] = tempTerjual;
     harga[location] = tempHarga;
     item[location] = tempItem;
```

```
// Cetak Data
cout << "\n\nData Paling Laris (Insertion Sort Descending)" << endl;
cout << "-----" << endl;
cout << "Nama Item\tHarga(Rp)\tTerjual" << endl;

for(int i=0;i<n;i++){
    cout << item[i] << "\t\t" << harga[i] << "\t\t" << terjual[i] << "\t\t" << endl;
}
cout << endl;
system("pause");
return 0;</pre>
```

## Data Sebelum diurutkan

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Nama Item	Harga(Rp)	Terjual
Botol	35000	5
Gunting	8000	10
Buku	5000	2
Spidol	28000	8
Мар	5500	3

## Data Setelah diurutkan (Bubble Sort Ascending)

Nama Item	Harga(Rp)	Terjual
Botol	35000	5
Buku	5000	2
Gunting	8000	10
Мар	5500	3
Spidol	28000	8

## Data Paling Laris (Insertion Sort Descending)

Nama Item	Harga(Rp)	Terjual
Gunting	8000	10
Spidol	28000	8
Botol	35000	5
Мар	5500	3
Buku	5000	2

Press any key to continue . . .