

Answer on Question #47063- Programming, C++

1. (WHILE LOOP) Men and women are running races. We need to know what was the lowest men's score and the highest women's score. Data are given so that men's scores alternate with those of women: first men's, then women's. The program stops when a time of zero is read for a man's score. A sample input and output are given below. (ifelse with loop)

-----output-----

7.80

5.79

5.80

8.95

0.0

Lowest men's score: 5.80

Highest Women's score: 8.95

Solution.

```
#include <iostream>
```

```
void Rating(double* item,int size);
```

```
int main()
```

```
{
```

```
    double item[100];
```

```
    int i=0;
```

```
    while(1)
```

```
    {
```

```
        if(i%2==0)
```

```
        {
```

```
            std::cout<<"Enter a man: "<<std::endl;
```

```
            std::cin>>item[i];
```

```
        }
```

```
        else
```

```
        {
```

```
            std::cout<<"Enter a woman: "<<std::endl;
```

```
            std::cin>>item[i];
```

```
        }
```

```
        if(item[i]==0){break;} 
```

```
        i++;
```

```
    }
```

```
    Rating(item,i);
```

```
    std::cin.get();
```

```
    return 0;
```

```
}
```

```
void Rating(double* item,int size)
```

```
{
```

```

double min=0,max=0;

min=item[0];
for(int i=0; i<size; i++)
{
    if(i%2==0)
    {
        if(item[i]<min){min=item[i];}
    }
    else
    {
        if(item[i]>max){max=item[i];}
    }
}

std::cout<<"Lowest men's score: "<<min<<std::endl;
std::cout<<"Highest Women's score: "<<max<<std::endl;
}

```