

Component C. Personalized Project Reference.

Procedure:

i.

```
9 def compare_temp(temp_today):
10     for i in range(len(hot_temps)):
11         difference_hot = abs(temp_today-hot_temps[i])
12         if temp_today>hot_temps[i]:
13             print("The temperature on this day was/is " + str(difference_hot)+ \
14 str(" degrees fahrenheit hotter than the hottest temperature ever in ") + str(country[i]))
15         elif temp_today<hot_temps[i]:
16             print("The temperature on this day was/is " + str(difference_hot)+ \
17 str(" degrees fahrenheit colder than the hottest temperature ever in ") + str(country[i]))
18         else:
19             print("The temperature on this day was/is \
20 the same as the hottest temperature ever in " + str(country[i]))
21     for i in range(len(cold_temps)):
22         difference_cold = abs(temp_today-cold_temps[i])
23         if temp_today>cold_temps[i]:
24             print("The temperature on this day was/is " + str(difference_cold)+ \
25 str(" degrees fahrenheit hotter than the coldest temperature ever in ") + str(country[i]))
26         elif temp_today<cold_temps[i]:
27             print("The temperature on this day was/is " + str(difference_cold)+ \
28 str(" degrees fahrenheit colder than the coldest temperature ever in ") + str(country[i]))
29         else:
30             print("The temperature on this day was/is \
31 the same as the coldest temperature ever in " + str(country[i]))
```

ii.

```
33 compare_temp(temp_now)
34 compare_temp(temp_past)
```

List:

i.

```
3 country=["United States", "France", "Brazil", "Norway", "South Korea"]
```

ii.

```
12 ▾      if temp_today>hot_temps[i]:
13         print("The temperature on this day was/is " + str(difference_hot)+ \
14 str(" degrees fahrenheit hotter than the hottest temperature ever in ") + str(country[i]))
15 ▾      elif temp_today<hot_temps[i]:
```