SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

ASSIGNMENT-2

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**A simple conditional statement:**

temperature = 17

if temperature > 25:

print('it is hot')

else:

print('it is not hot')

**Output:**

it is not hot

**Let’s look at another example from our daily lives ☔:**

Weather = ‘rain’

If weather == ‘rain’:

Print(‘Wear a raincoat’)

Else:

Print(‘No raincoat needed’)

**Output :**

Wear a raincoat

**Conditional statements always check if the conditional expression is True or False.**

Temperature = 17

If temperature > 25:

Print(temperature,’is greater than 25’)

**Output :**

False

**If, elif and else:**

temperature = -3

if temperature > 0:

print(temperature, 'is above freezing')

elif temperature == 0:

print(temperature, 'is freezing')

else:

print(temperature, 'is below freezing')

**Output :**

-3 is below freezing

Yesterday = 14

Today = 10

Tomorrow = 13

If yesterday <= today:

Print(‘A’)

Elif today != tomorrow:

Print(‘B’)

Elif yesterday > tomorrow:

Print(‘C’)

Elif today == today:

Print(‘D’)

**Combining for-loops and conditional statements :**

Temperatures = [0, 12, 17, 28, 30]

For temperature in temperatures:

If temperature > 25:

Print(temperature, ‘celsius degrees is hot’)

Else:

Print(temperature, ‘is not hot’)

**Output :**

0 is not hot

12 is not hot

17 is not hot

28 celsius degrees is hot

30 celsius degrees is hot