Q1. Create a function of working days and add "sunday" in it

In [4]:
```
s={"Monday","Tuesday","Wednesday","Thursday","Friday","Saturday"}
a={"Sunday"}
s.add("Sunday")
s
```

Out[4]: {'Friday', 'Monday', 'Saturday', 'Sunday', 'Thursday', 'Tuesday', 'Wednesday'}

Q2. Define a set my_set={"Jan","Feb","Mar","Apr","May"} and remove "may" from "my_set"

In [7]:
```
my_set={"Jan","Feb","Mar","Apr","May"}
my_set.remove("May")
my_set
```

Out[7]: {'Apr', 'Feb', 'Jan', 'Mar'}

Q3. Define two set set_1={2,3,4,5,6} and set_2={1,4,5,6,7,8} and find union of "set_1" and "set_2"

In [8]:
```
set_1={2,3,4,5,6}
set_2={1,4,5,6,7,8}
set_1.union(set_2)
```

Out[8]: {1, 2, 3, 4, 5, 6, 7, 8}

Q4. Define any three sets and find their intersection

In [11]:
```
set_1={1,2,3,4,5,6}
set_2={2,3,4,6,8,10}
set_3={3,5,7,9,11}
set_4=set_1.intersection(set_2)
set_4.intersection(set_3)
```

Out[11]: {3}

Q5. Define any two sets set_1 and set_2 and check if a set_1 is a subset of set_2 using comparision operators

In [17]:
```
set_1={2,4,6,8}
set_2={1,3,5,9}
if set_2 <= set_3:
    print("set_2 is subset of set_3")
else:
    print("set_2 is not a subset of set_3")
```

```
set_2 is not a subset of set_3
```

Q6. Define a set my_set={"2","23","56","6","89","34"} and find the maximum and minimum elements in it

In [18]:
```
my_set={"2","23","56","6","89","34"}
print(max(my_set))
```

```
print(min(my_set))
```

```
89
2
```

Q7. Define a set s1={"0","1","2","3","4","5"} and check whethere 4 is in it or not

In [20]:
```
s1={0,1,2,3,4,5}
4 in s1
```

Out[20]: True

Q8.Create a list my_list=[2,2,4,5,7,7,9,8,7] convert the following list to a set to remove any duplicates

In [21]:
```
my_list=[2,2,4,5,7,7,9,8,7]
y=set(my_list)
y
```

Out[21]: {2, 4, 5, 7, 8, 9}

Q9. Define any set and calculate the sum of the elements in the set

In [22]:
```
s1={1,6,8,3,7,9,10}
sum(s1)
```

Out[22]: 44

Q10. Define any twio sets and check they are disjoint or not

In [24]:
```
s1={1,2,6,84,6,23,6}
s2={3,54,72,5,7,5,25}
s1.isdisjoint(s2)
```

Out[24]: True

In [ ]:
```

```