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Question 6

In [1]:
```
vowels = ['a', 'e', 'i', 'o', 'u']
name = input("Enter a name: ")
if (name[0] in vowels):
    name = name + "way"
else:
    name = name + name[0] + 'ay'
    name = list(name)
    name.pop(0)
    name = ''.join(name)
print(name)
```

```
Enter a name: happy
appyhay
```

Question 7

In [2]:
```
with open("C:/Users/Rishabh/Downloads/bloodtype1.txt") as f:
    contents = f.readlines()
contents = contents[0].replace("\n", '')
print(contents)
dictOfBlood = {}
contents = contents.split()
for i in contents:
    if i not in dictOfBlood.keys():
        dictOfBlood[i] = 1
    else:
        dictOfBlood[i] += 1
print(dictOfBlood)
```

```
AB AB B O A A AB O AB A O O A A A O O O AB O A A A A A AB AB A AB O AB O A O O O AB O AB
AB AB A A O
{'AB': 13, 'B': 1, 'O': 15, 'A': 15}
```

Question 8

In [3]:
```
with open("C:/Users/Rishabh/Downloads/currencies.txt") as f:
    contents = f.readlines()
# print(contents)
store = {}
for i in contents:
#     p
    s = i.split("\t")
    store[s[0]] = float(s[1])
print(store)

def curconv(curr, value):
```

```
    curr = curr.upper()
    print(value * store[curr])

ip = input("Enter a currency followed by value seperated with space")
ip = ip.split()
curconv(ip[0], float(ip[1]))
```

```
{'AUD': 1.0345157, 'CHF': 1.0237414, 'CNY': 0.1550176, 'DKK': 0.1651442, 'EUR': 1.229654
4, 'GBP': 1.5550989, 'HKD': 0.1270207, 'INR': 0.0177643, 'JPY': 0.01241401, 'MXN': 0.075
1848, 'MYR': 0.3145411, 'NOK': 0.1677063, 'NZD': 0.8003591, 'PHP': 0.0233234, 'SEK': 0.1
48269, 'SGD': 0.788871, 'THB': 0.0313789}
Enter a currency followed by value seperated with spacenok 12
2.0124756
```

Question 9

1. adding string to integer
2. index out of range
3. square root of negative number
4. variable not defined
5. file not found error

Question 10

In [8]:

```
text = input("Enter a text: ")
text = "".join(text.split())
text = text.upper()
text = list(text)
frequencies = [0 for i in range(26)]
for i in text:
    frequencies[ord(i)%65] += 1

print(frequencies)
```

```
Enter a text: this is
[0, 0, 0, 0, 0, 0, 0, 1, 2, 0, 0, 0, 0, 0, 0, 0, 0, 2, 1, 0, 0, 0, 0, 0, 0]
```