In [ ]:
```
l = ["joel@southindianbank.com","anna@icici.in","jacob@hdfcbank.in"]
```

In [ ]:
```
import re


for i in l:
    pat3 = "(?P<name>\w+)@(?P<bank>(\w+\.)+(com|org|net|edu|in))"
    r3 = re.match(pat3,i)
    print("name :", r3.group('name'))
    print("bank domain : ",r3.group("bank"))
```

```
name : joel
bank domain :  southindianbank.com
name : anna
bank domain :  icici.in
name : jacob
bank domain :  hdfcbank.in
```

In [ ]:
```
import re

names = "joel,anna,jacob,trevor"
listofname = re.split(",",names.title())

listofname
```

Out[ ]:
```
['Joel', 'Anna', 'Jacob', 'Trevor']
```

In [ ]:
```
while True:
    try:
        pin=int(input("Enter your atm pin : "))
        c = pin
        p = 0
        while c>0:
            p+=1
            c//=10

        if p!=4:
            raise Exception

        print("your bank pin is set to :",pin)
        break
    except ValueError:
        print("Your pin should only contain integers")
        continue
    except Exception:
        print("Pin error: Only 4 integers are allowed")
```

```
        continue



    finally:
        print("\n***********\n")
```

```
Pin error: Only 4 integers are allowed
***********
your bank pin is set to : 1234
***********
```

In [ ]:
```
while True:
    savings=int(input("Enter your savings : "))
    if savings<0:
        raise Exception("savings cannnot be negative")
```

```
---------------------------------------------------------------------------
Exception                                 Traceback (most recent call last)
c:\Users\joelv\Desktop\projects 2\SE\labprogram_exceptions.ipynb Cell 5 in <cell line: 1>()
      <a href='vscode-notebook-cell:/c%3A/Users/joelv/Desktop/projects%202/SE/labprogram_exceptions.ipynb#W4sZmlsZQ%3D%3D?line=1'>2</a> sav
ings=int(input("Enter your savings : "))
      <a href='vscode-notebook-cell:/c%3A/Users/joelv/Desktop/projects%202/SE/labprogram_exceptions.ipynb#W4sZmlsZQ%3D%3D?line=2'>3</a> if
 savings<0:
----> <a href='vscode-notebook-cell:/c%3A/Users/joelv/Desktop/projects%202/SE/labprogram_exceptions.ipynb#W4sZmlsZQ%3D%3D?line=3'>4</a>
raise Exception("savings cannnot be negative")

Exception: savings cannnot be negative
```

In [ ]: