Lab 7

- calculate NPV. The rate is a float and the cash flows and investment are in a list.
- create a function called NPV to calculate NPV
- create a function to calcule IRR. In order to calculate IRR you may aproximate the follwoing expression: rate= rate*(1-NPV(CFList, rate)/invest)
- create a function for payback period

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In [151]:  #Supose you have the follwoing cashflow
           CFList=[-1000, 200, 200, 300, 500]
           rate= 0.04
```

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In [152]:  #calcule the NPV sugestion: iterate both by index and value using enume
           rate
```

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In [153]:  print(NPV)

           71.3199380273798
```

```
In [154]:  #create a function called NPV that returns the NPV value
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In [155]:  print(NPV(CFList, rate))

           71.3199380273798
```

```
In [156]:
```

```
In [157]:  print(irr(CFList))

           0.06542842804025384
```

```
In [169]:  #pay back period


           5
           4.4
```

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In [ ]:
```