

```

1 if con:
2     if
3
4
5 if cond:
6     if cond:
7
8     else :
9
10 else:
11     if cond:
12
13     else:

```

In [ ]:

```

1 if statement inside if
2 if -else statement inside if
3 if -else statement inside else

```

In [2]:

```

1 # Loan Approval
2 # cibil greather 750
3 # salary greather than 50000
4 # age 20 - 50
5
6 cibil=800
7 salary=67000
8 age=32
9
10 if cibil > 750 :
11     print("Cibil is more than 750")
12
13     if salary>50000:
14         print("Salary is greater than 50K")
15
16         if age > 20 and age <50:
17             print("Age is in range between 20 to 50 ")
18             print("Loan is Approved")
19
20 else:
21     print("Loan Not Approved")

```

Cibil is more than 750  
Salary is greater than 50K  
Age is in range between 20 to 50  
Loan is Approved

In [4]:

```
1  # Loan Approval
2  # cibil greather 750
3  # salary greather than 50000
4  # age 20 - 50
5
6  cibil=600
7  salary=67000
8  age=32
9
10 if cibil > 750 : # False
11     print("Cibil is more than 750")
12
13     if salary>50000:
14         print("Salary is greater than 50K")
15
16         if age > 20 and age <50:
17             print("Age is in range between 20 to 50 ")
18             print("Loan is Approved")
19
20 else:
21     print("Cibil Score is less than 750")
22     print("Loan Not Approved")
```

Cibil Score is less than 750

Loan Not Approved

In [9]:

```
1 # Loan Approval
2 # cibil greather 750
3 # salary greather than 50000
4 # age 20 - 50
5
6 cibil=800
7 salary=70000
8 age=55
9
10 if cibil > 750 : # True
11     print("Cibil is more than 750")
12
13     if salary>50000: # True
14         print("Salary is greater than 50K")
15
16         if age > 20 and age <50:
17             print("Age is in range between 20 to 50 ")
18             print("Loan is Approved")
19         else:
20             print("Age is not in range 20 to 50 ")
21             print("Loan Not Approved")
22
23     else:
24         print("Salary is less than 50K")
25         print("Loan Not Approved")
26
27
28 else:
29     print("Cibil Score is less than 750")
30     print("Loan Not Approved")
```

Cibil is more than 750  
Salary is greater than 50K  
Age is not in range 20 to 50  
Loan Not Approved

In [13]:

```
1 # Loan Approval
2 # cibil greather 750
3 # salary greather than 50000
4 # age 20 - 50
5
6 cibil=800
7 salary=70000
8 age=40
9
10 loan_app=1 #    approved = 1 ,    not approved = 0
11
12 if cibil > 750 : # True
13     print("Cibil is more than 750")
14
15     if salary>50000: # True
16         print("Salary is greater than 50K")
17
18         if age > 20 and age <50:
19             print("Age is in range between 20 to 50 ")
20
21         else:
22             print("Age is not in range 20 to 50 ")
23             loan_app=0
24
25     else:
26         print("Salary is less than 50K")
27         loan_app=0
28
29
30 else:
31     print("Cibil Score is less than 750")
32     loan_app=0
33
34
35 if loan_app==1:
36     print("Loan is approved ")
37 else:
38     print("Loan is not approved ")
39
```

Cibil is more than 750  
Salary is greater than 50K  
Age is in range between 20 to 50  
Loan is approved

In [ ]:

```
1 # Student : write the same above program with user inputs
```

In [ ]:

```
1 Challenge No 1 : # Student : PAN validation
2 # Student : Adahar validation
3 # Student : GST validation Extra
```

In [ ]:

```
1 Challenge No 2 :  
2   Take input as a day (1 to 31 ) , Month (1 - 12 ) , year (4 digit )  
3  
4   Output : Next Date  
5  
6   Example Input : Day 27 Month 6 Year 2023  
7   Output : 28-6-2023
```