

Questions on Conditions:-

Make sure all the concept in conditionals are clear.

⇒ if

⇒ if else

⇒ if elif else

⇒ Nested - if

Question - 1

Q1:- Implement check_loan_eligibility code that determines person's loan eligibility on below condition.

```
age = 25  
income = 35000  
creditScore = 750
```

```
if (age >= 18): # at least 18 years old  
    if (income >= 30000):  
        if creditScore >= 700:  
            print("Prime loan")  
        elif (creditScore >= 600 and creditScore < 700):  
            print("Standard Loan")  
        elif (creditScore >= 0 and creditScore < 600):  
            print("High Risk Loan")  
    else:  
        print("Not Eligible")  
else:  
    print("Not eligible")
```

Prime loan

1. The person old
2. If income is 30,000 or more
 - Credit score 700 + : Prime loan
 - Credit score 600 - 699 : Standard loan
 - Credit score below 600 : High risk
3. If income less than 20,000 : not eligible

Solution:-

```
age = 25
income = 35000
creditScore = 750
```

```
if(age >=18): # at least
    if(income >=30000):
        if creditScore >= 700:
            print("Prime loan")
        elif (creditScore >=600 and creditScore<700):
            print("Standard Loan")
        elif (creditScore >=0 and creditScore<600):
            print("High Risk Loan")
    else:
        print("Not Eligible")

else:
    print("Not eligible")
```

Prime loan

Q2 :- Write a program to check if an year is a leap year or not.

$$\text{year} \% 4 == 0$$

```
year = 1900
```

```
if(year %4==0):  
    if(year%100==0):  
        if(year%400 == 0):  
            print("its a leap year")  
        else:  
            print("Not a leap year")  
    else:  
        print("Its a leap Year")  
else:  
    print("its not a leap year")
```

Not a leap year

Make sure to download the assignment
and try it out :-

Mail me your solution at

mailto:mayankcaggarnwal@gmail.com

& I will share the solution file with you.