**MODULE-4 Conditional Statements**

**Name:- Avishek Kymar Verma**

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**Please write Python Programs for all the problems .**

1. Take a variable ‘age’ which is of positive value and check the following:
2. If age is less than 10, print “Children”.
3. If age is more than 60 , print ‘senior citizens’
4. If it is in between 10 and 60, print ‘normal citizen’

**Ans:-**

age = 22

if age<10:

print("Children")

elif age >60:

print("Senior Citizen")

elif age >10 and age < 60:

print("Normal Citizen")

age = 8 #Output: Children

age = 22 #Output: Normal Citizen

age = 76 #Output: Senior Citizen

1. Find the final train ticket price with the following conditions.
2. If male and sr.citizen, 70% of fare is applicable
3. If female and sr.citizen, 50% of fare is applicable.
4. If female and normal citizen, 70% of fare is applicable
5. If male and normal citizen, 100% of fare is applicable

[Hint: First check for the gender, then calculate the fare based on age factor.. For both Male and Female ,consider them as sr.citizens if their age >=60]

**Ans:-**

gender = str(input("Male or Female:- "))

while gender == "male":

age = int(input("Your age :- "))

if age >= 60:

print("Only 70% of fare is applicable")

else:

print("100% of fare is applicable")

else:

age = int(input("Your age:- "))

if age >= 60:

print("Only 50% of fare is applicable")

else:

print("Only 70% of fare is applicable")

>>>>>Output :-

Male or Female:- female

Your age:- 57

Only 70% of fare is applicable

1. Check whether the given number is positive and divisible by 5 or not.

**Ans:-**

num = int(input("Enter your no:- "))

if num >0:

if num%5==0:

print('Entered number is Positive and Divisible of 5')

else:

print("Entered number is positive but not divisible of 5")

else:

if num%5==0:

print("Entered number is Negative and Divisible of 5")

else:

print("Entered number is Negative and not divisible of 5")

>>>>>Output:-

Enter your no:- -78

Entered number is Negative and not divisible of 5