**MODULE-4 Conditional Statements**

**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=int(input("The age is:"))*

*if age<10:*

*print("Children")*

*elif age>60:*

*print("senior citizens")*

*else:*

*print("normal 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("enter male or female :"))*

*age=int (input("enter your age :"))*

*if gender== male and age>=60:*

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

*elif gender==female and age>=60:*

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

*elif gender==female and age<60:*

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

*else:*

*print("100% of fare is applicable")*

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

Ans:-

*num= int(input("enter the number :"))*

*if (num>0) and (num%5==0):*

*print("given number is positive and divisible by 5")*

*elif(num>0):*

*print("number is positive only")*

*else:*

*print("given number is not positive and not divisible by 5")*