**EXP :3**

**GROUP 3&9**

**a)LEAP YEAR OR NOT**

**SOURCECODE:**

**Year=int(input("Enter the year:"))**

**if(Year%4==0):**

**if(Year%100==0):**

**if(Year%400==0):**

**print("Leap year")**

**else:**

**print("not a Leap year")**

**OUTPUT:**

**Enter the year:2000**

**Leap year**

**b)READ A CHARACTER, IF IT IS UPPER CASE PRINT U**

**SOURCECODE:**

**char=str(input("Enter the char"))**

**if(ord(char)>=65 and ord(char)<=90):**

**print(char,"U")**

**else:**

**print("not upper case")**

**OUTPUT:**

**Enter the charA**

**A U**

**C)TOTAL SALARY WITH BONUS CALCULATIONAND ALGORITHM AND PRINT SALARY,BONUS AND TOTAL AMOUNT**

**GENDER BONUS M=10%**

**F=12%**

**salary=int(input("enter value:"))**

**print("salary:")**

**gender=str(input("enter M or F"))**

**if gender=="M":**

**bonus=salary\*(10/100)**

**print("bonus:")**

**print("total:",salary+bonus)**

**else:**

**bonus=salary\*(12/100)**

**print("bonus:",)**

**print("bonus:",salary+bonus)**

**OUTPUT:**

**enter value:10000**

**salary:**

**enter M or F F**

**bonus:**

**bonus: 11200.0**

**GROUP 2/8**

**d)POSITIVE/NEGATIVE/ZERO**

**SOURCECODE:**

**s=int(input("enter no"))**

**if s>0:**

**print(s,"is positive")**

**elif s<0:**

**print(s,"is negative")**

**else:**

**print(s,"is zero")**

**OUTPUT:**

**enter no -7**

**-7 is negative**

**e) TOTAL SALARY WITH BONUS CALCULATION AND PRINT SALARY ,BONUS AND TOTAL AMOUNT**

**SOURCECODE:**

**s=int(input("enter salary"))**

**if s>10000:**

**ns=s+s\*(10/100)**

**print("you have 10%of bonus",ns)**

**elif s<10000:**

**ns=s+s\*(12/100)**

**print("you have 12%of bonus",ns)**

**else:**

**print("no bonus",s)**

**OUTPUT:**

**enter salary 900**

**you have 12%of bonus 1008.0**

**f)READ A CHARACTER FROM THE USER CHANGE INTO UPPER OR LOWER**

**SOURCECODE:**

**c=input("enter character")**

**print("Upper case",c.upper())**

**print("lower case",c.lower())**

**if(c.islower()):**

**print(c.upper())**

**elif(c.isupper()):**

**print(c.lower())**

**else:**

**print(c)**

**OUTPUT:**

**enter characterD**

**Upper case D**

**lower case d**

**d**