Task 1 :- Check leap year

In [ ]:

```python
year = int(input("Enter year between 1900 and 2100"))
if (year%4 == 0):
    print(year, "is leap year")
else :
    print(year, "is not leap year")
```

Task 2 :-

In [ ]:

```python
Day = int(input("Enter year between 1 and 12 :-"))
if (Day == 1):
    print("january = 31")
elif (Day == 2):
    print("feb = 28")
elif (Day == 3):
    print("march = 31")
elif (Day == 4):
    print("April = 30")
elif (Day == 5):
    print("may = 31")
elif (Day == 6):
    print("jun = 30")
elif (Day == 7):
    print("july = 31")
elif (Day == 8):
    print("Aug = 31")
elif (Day == 9):
    print("sept = 30")
elif (Day == 10):
    print("october= 31")
elif (Day == 11):
    print("november = 30")
elif (Day == 12):
    print("december = 31")
else :
    ("There is no month")
```

Task 3 :- Discount

In [ ]:

```python
k = int(input("Enter Purchase amount :-"))
if (k <= 100):
    print("No Discount")
if (100 <= k >= 150):
    print ( k, "Discount is :- ", k*0.1)
if ( 150 <= k >= 200):
    print ( k, "Discount is :- ", k*0.15)
if ( 200 <= k >= 250):
    print ( k, "Discount is :- ", k*0.20)
if (k >= 250):
    print (k , "Discount is :- ", k*25)
else :
    ("Buy somethig")
```

Task 4 :- Math Quiz Game

In [ ]:

```python
first = int(input("What's 5 times 2? :-"))
if (first == 10):
    print(first, "correct!")
else :
    print (first , "Incorrect! Please try again")
second = int(input("What's 56-6 ? :-"))
if (second == 50):
    print(second, "correct!")
else :
    print (first , "Incorrect! Please try again")
third = int(input("What's 8 times 9, pluse 2 :- "))
if (third == 74):
    print(third, "correct!")
else :
    print (third , "Incorrect! Please try again")
print ("Well done! Thanks for playing")
```

Task 5 :- Rock - Paper - Scissor Game

In [4]:

```python
player1 = input("Say Rock- Paper - Scissor " )
player2 = input("Say Rock- Paper - Scissor ")
if (player1 == 'Rock' and player2 == 'Scissors'):
    print("Player 1 win!")
elif (player1 == 'Scissors' and player2 == 'Rock'):
    print('Player 2 wins!')
elif (player1 == 'Paper' and player2 == 'Rock'):
    print('Player 1 wins')
elif (player1 == 'Rock' and player2 == 'Paper'):
    print('Player 2 wins!')
elif (player1 == 'Scissors' and player2 == 'Paper'):
    print('Player1 wins!')
elif (player1 == 'Paper' and player2 == 'Scissors'):
    print('Player 2 wins!')
else :
    print("It's Tie")
```

```
Say Rock- Paper - Scissor Rock
Say Rock- Paper - Scissor Paper
Player 2 wins!
```

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