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Repositories name- question-1
File Name- 45562563LakshyaA1T1

Solution 1

```
>>>Twain=("C:\Users\laksh\twain.txt").read()
>>>Result1=twain.replace("Huck","Huck")
>>>Print(result1)
```

Solution 6

```
>>> #No of years t=2
... #The rate of interest r=10%
... #The principal amount is P=10000
... #Let the accumulated value at the end of 2 years be A
... A=math.exp(0.1*2)*10000
>>> print(A)
12214.027581601698
```

Solution 3

```
def is_leap_year(year):
    if (year%4 != 0):
        return False
    else:
        if (year%100 != 0):
            return True
        else:
            if (year%400 != 0):
                return False
            else:
                return True
    # Solution:
def is_leap_year(year):
    """
    Returns whether the given Gregorian year is a leap year.
    """
    return ((year % 4) == 0 and ((year % 100) != 0 or (year % 400) == 0))
    # Tests
```

```

def test(year):
    """Tests the is_leapyear function."""
    if is_leap_year(year):
        print year, "is a leap year."
    else:
        print year, "is not a leap year."

```

```

test(2000)

```

2000 is a leap year.

Solution 5

```

>>>import stdio
>>>import sys

```

*# Accept integers month and day as command-line arguments. Write True
to standard output if the date month/day is between specified dates.*

```

>>>month = int(sys.argv[1])
>>>day = int(sys.argv[2])

>>>isSpring = (month == 3 and day >= 20 and day <= 31)

>>>stdio.writeln(isSpring)

```

Solution 4

```

>>> import random
>>> print (random.randint(0,150))
135

```