

14_Date_Conversion.py

```
1  # Program - 14
2  import string # importing string module
3
4  month_dict = {
5      '01': 'January', '02': 'February', '03': 'March',
6      '04': 'April', '05': 'May', '06': 'June',
7      '07': 'July', '08': 'August', '09': 'September',
8      '10': 'October', '11': 'November', '12': 'December'
9  } # initializing dictionary which contains the months
10 def validation ():
11     try:
12         while True :
13             global date
14
15             date = str(input("Enter the date in the format of <MMDDYYYY> : "))
16
17             if len(date) != 8:
18                 print("!! Invalid Format !!")
19                 continue
20
21             for i in string.ascii_letters + string.whitespace + string.punctuation :
22                 if i in date :
23                     print("!! Characters Not Allowed !!")
24                     break
25
26             else :
27                 month = date[0:2]
28                 day = date[2 : 4]
29                 if month not in month_dict:
30                     print("!! Invalid Month Entry !!")
31                     continue
32
33                 if int(day) > 31 :
34                     print("!! Date greater than 31 !!")
35                     continue
36
37                 if month == "02" and int(day) > 29 :
38                     print("!! February only has 29 days !!")
39                     continue
40
41                 else:
42                     month = month_dict[month]
43                     break
44             except Exception as e:
45                 print(f'Caught {type(e)}: e')
46
47             finally :
48                 return month
```

```
49
50 def standardize(_month):
51     standard_form =f"{_month}, {date[2 : 4]}, {date [4 : ]}"
52     return standard_form
53
54 print(f"The Standard Form : {standardize(validation())}")
```