

Assignment -2
Python Programming

Assignment Date	29 September 2022
Student Name	Mr. Mohamed Hashim
Student Roll Number	724019104010
Maximum Marks	2 Marks

Question-1:

Write a Python program to print the calendar of a given month and year.

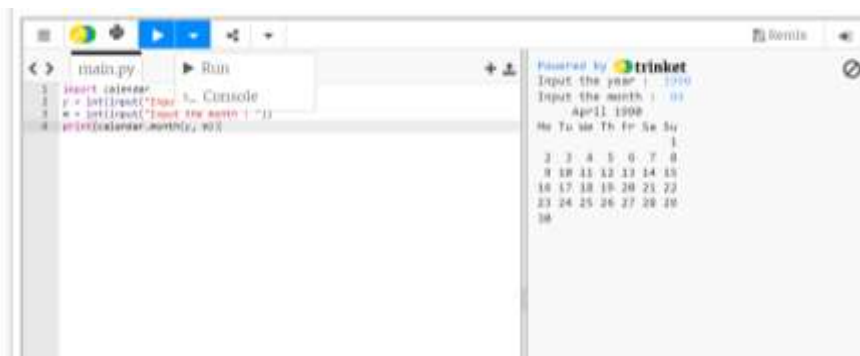
Solution:

```
import calendar

y = int(input("Input the year : "))
m = int(input("Input the month : "))
print(calendar.month(y, m))

import calendar

y = int(input("Input the year : "))
m = int(input("Input the month : "))
print(calendar.month(y, m))
```

A screenshot of a Python IDE interface. The left pane shows a file named 'main.py' with the following code:

```
1 import calendar
2 y = int(input("Input the year : "))
3 m = int(input("Input the month : "))
4 print(calendar.month(y, m))
```

The right pane shows the output of the program, which is the calendar for April 1998. The output is formatted as follows:

```
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Input the year : 1998
Input the month : 04
April 1998
Mo Tu We Th Fr Sa Su
1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30
```

Question-2:

Write a Python program to get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference.

Solution:

```
def difference(n):  
    if n <= 17:  
        return 17 - n  
    else:  
        return (n - 17) * 2  
print(difference(22))
```



Question-3:

Write a Python program to concatenate all elements in a list into a string and return it.

Solution:

```
def concatenate_list_data(list):  
    result= ''  
    for element in list:  
        result += str(element)  
    return result  
  
print(concatenate_list_data([1, 5, 12, 2]))
```




Question-4:

Write a Python program to convert all units of time into seconds.

Solution:

```
days = int(input("Input days: ")) * 3600 * 24
hours = int(input("Input hours: ")) * 3600
minutes = int(input("Input minutes: ")) * 60
seconds = int(input("Input seconds: "))
time = days + hours + minutes + seconds
```



```
main.py
1 days = int(input("Input days: ")) * 3600 * 24
2 hours = int(input("Input hours: ")) * 3600
3 minutes = int(input("Input minutes: ")) * 60
4 seconds = int(input("Input seconds: "))
5
6 time = days + hours + minutes + seconds
7
8 print("The amount of seconds", time)
9
```

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Input days: 5
Input hours: 8
Input minutes: 40
Input seconds: 20
The amount of seconds 365320

Question-5:

Write a Python program to input a number, if it is not a number generates an error message.

Solution:

```
while True:
    try:
        a = int(input("Input a number: "))
        break
    except ValueError:
```

