

**Assignment -1**  
Python Programming

Assignment Date	29 September 2022
Student Name	Mr. Hadhi Sulaiman
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Maximum Marks	2 Marks

**Question-1:**

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

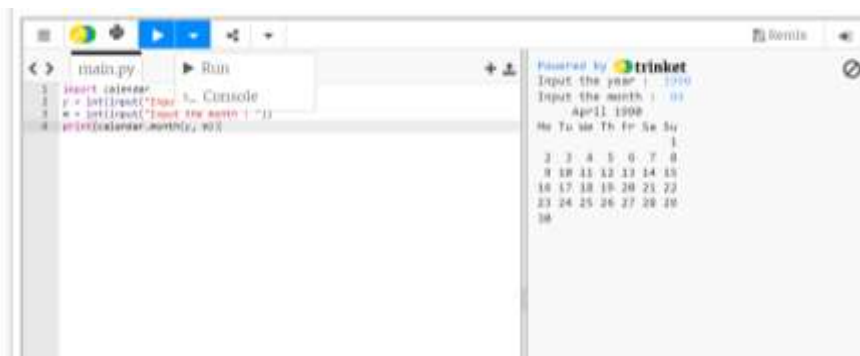
**Solution:**

```
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))
```



The screenshot shows a Python IDE with a file named 'main.py' containing 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 output of the program is displayed in the console, showing the calendar for April 1990:

```
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Input the year : 1990
Input the month : 04
April 1990
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:
```

