Programming Assignment-2: Dictionary

Due on 2020-03-12, 23:59 IST
Given a positive integer number \( n \), you have to write a program that generates a dictionary \( d \) which contains \((i, i^3)\) such that \( i \) is the key and \( i^3 \) is its value, where \( i \) is from 1 to \( n \) (both included).

Then you have to just print this dictionary \( d \).

**Example:**

Input: 4

will give output as

\[
\{1: 1, 2: 8, 3: 27, 4: 64\}
\]

**Input Format:**
Take the number \( n \) in a single line.

**Output Format:**
Print the dictionary \( d \) in a single line.

**Sample Test Cases**

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>{1: 1, 2: 8, 3: 27, 4: 64, 5: 125, 6: 216, 7: 343, 8: 512}</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
<td>{1: 1, 2: 8, 3: 27, 4: 64, 5: 125, 6: 216, 7: 343, 8: 512}</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>{1: 1, 2: 8, 3: 27, 4: 64, 5: 125, 6: 216, 7: 343, 8: 512}</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
<td>{1: 1, 2: 8, 3: 27}</td>
</tr>
</tbody>
</table>
The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```python
n = int(input())
d = dict()
for i in range(1, n+1):
    d[i] = i*i*i
print(d)
```

Test Case 4
{1: 1, 2: 8, 3: 27, 4: 64}

Test Case 5
{1: 1, 2: 8, 3: 27, 4: 64, 5: 125}