1. Write python code that stores the data from the following table in two different variables: `pres_list` is a list of lists; `pres_dict` is a dictionary.

<table>
<thead>
<tr>
<th></th>
<th>&lt;=169cm</th>
<th>170–174cm</th>
<th>175–179cm</th>
<th>180–184cm</th>
<th>&gt;=185cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presidential Candidates</td>
<td>6</td>
<td>12</td>
<td>14</td>
<td>21</td>
<td>23</td>
</tr>
<tr>
<td>Presidents</td>
<td>3</td>
<td>8</td>
<td>6</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Unsuccessful Candidates</td>
<td>3</td>
<td>4</td>
<td>8</td>
<td>10</td>
<td>12</td>
</tr>
</tbody>
</table>

2. What is the output of the following program? If there are any errors, correct them.

```python
table = [ [1, 2, 3],
          [4, 5, 6],
          [7, 8, 9] ]

val_1 = table[1][1]
val_2 = table[2][2]

print(val_1 + val_2)
```

3. What is the output of the following program? If there are any errors, correct them.

```python
table = { (0,0):1, (0,1):2, (0,2):3,
          (1,0):4, (1,1):5, (1,2):6,
          (2,0):7, (2,1):8, (2,2):9 }

val_1 = table[1][1]
val_2 = table[2][2]

print(val_1 + val_2)
```

4. When should we use a list of lists and when should we use a dictionary to store data from tables?
5. Write a function called `tabl_to_tabD` that converts a list-of-lists table to a dictionary table.

6. Write a function called `tabD_to_tabL` that converts a dictionary table to a list-of-lists table.
7. Write a function called `tabl_histogram` that returns a string that when printed is a histogram. Your function will take two parameters: a list-of-lists table and an integer representing the row to be visualized. You should assume the first row of the table contains labels and every row after that contains data. All data rows have a label in the first column and integers in the remaining.

For example, using `pres_list` from #1:

```python
>>> print(tabl_histogram( pres_list, 2))
Presidents:
-----------
  <=169cm  X X X
  170–174cm X X X X X X X X
  175–179cm X X X X X X
  180–184cm X X X X X X X X X
>=185cm    X X X X X X X X X X X
```