# PEC-CS393 Python Lab
## Assignment 2

1. Write a Python Program to Find the Smallest Divisor of an Integer other than 1.
2. Write a Python Program to Check whether a Number is a Palindrome or not.
3. Write a Python Program to print the Prime Factors of an Integer.
4. Print the following pattern

```
1
2    1
4    2    1
8    4    2    1
16   8    4    2    1
32   16   8    4    2    1
64   32   16   8    4    2    1
```

5. Print the following Pattern

```
* * * * * *
*         *
*         *
*         *
*         *
* * * * * *
```

6. The set of input is given as ages. Then print the status according to the rules

| Age   | Status   |
|-------|----------|
| 1-1   | in born  |
| 2-10  | child    |
| 11-17 | young    |
| 18-49 | adult    |
| 50-79 | old      |
| >80   | very old |

7. Convert a decimal number to a number of a given base b.