

## Task Number : 1 Data Manipulation

### 1. Task Description

Create a custom numpy data type and use it in an array.

### 2. Task Output Screenshot

```
Student Records Array:
[(b'joseph', 21, 78.5) (b'shivam', 22, 95.2) (b'reyan', 20, 89.1)]

Range Find:
Names: [b'joseph' b'shivam' b'reyan']
Ages: [21 22 20]
Grades: [78.5 95.2 89.1]

First Student Record:
Name: joseph
Age: 21
Grade: 78.5
PS C:\Users\reyan>
```

### 3. Widget/Algorithm Used In Task

- **Define a Custom Data Type:** `numpy.dtype` can be used to define a custom data type. It helps you to define several fields together with the data types that go with them.
- **Create an Array:** Make a NumPy array using the specified data type. This array has the ability to store many records with various fields.
- **Access and Modify Data:** You may quickly access each array field and change the values as necessary.