

Section - 4

Question 2: Write python program to reverse given string "India". Define lambda expression in details.

Ans - Program to reverse string "India"

```
str = "India"
```

```
Print (str [5::-1])
```

Lambda expression

In Python, anonymous function means that a function is without a name. As we already know def keyword is used to define the normal function & the lambda keyword is used to create anonymous function. It has the following syntax
lambda arguments: expression.

- This function can have any number of arguments but only one expression, which is evaluated & returned
- One is free to use lambda functions whenever function objects are required.
- You need to keep in your knowledge that lambda function are syntactically restricted to a single expression.
- It has various uses in particular field of programming besides other type of expression.
- Lambda definition does not include a "return" statement, it always contains an expression which is returned. we can also input a lambda definition anywhere a function is expected & we don't have to assign it to a variable to all this is the simplicity of lambda function.

Ex:- lambda x: print(x)

lambda x, y: x+y
Creating a lambda function.

Ex :-

