

Section 4

Q write python program to reverse given string "INDIA". Define the Lambda Expression in details.

Solⁿ Program to rev string "INDIA"

```
str = "INDIA"  
print(str[::-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 fields 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 functions

Ex = lambda x: print(x)

Lambda x, y: x+y

Creating a lambda function

Ex :

