

Section-4

Q1
Ans:

Python Program to reverse given String "INDIA" is given below :-

```
String = "Dream big"
```

```
# Stores the reverse of given string
```

```
reversedSt = "";
```

```
# Iterate through the string from last and add each character to variable reversedSt
```

```
for i in range(len(string)-1, -1, -1):
```

```
    reversedSt = reversedSt + string[i];
```

```
print ("original string" + string);
```

```
# Displays the reverse of given string
```

```
print ("Reverse of given string: " + reversedSt);
```

Output:-

Original String : Dream big

Reverse of given String : gib maerD

C

```
#include <stdio.h>
```

```
#include <string.h>
```

```
int main()
```

```
{
```

```
    char string[] = "Dream big"
```

```
    // Stores the reverse of given string
```

```
    char reversedStr [strlen(string)];
```

```
    int j = 0;
```

```
    // Iterate through the string from last and add  
    each character to variable reversedStr
```

```
    for (int i = strlen(string) - 1; i > 0; i--) {
```

```
        reversedStr[j++] = string[i];
```

```
}
```

```
    reversedStr[j] = '\0';
```

```
printf ("original string: %s", string);
```

```
// Displays the reverse of given string
```

```
printf ("\nReverse of given string: %s", reversedStr);
```

```
return 0;
```

```
}
```

Output :

Original string : Dream big

Reverse of given string : gib maerd

• So here,

Original string : "INDIA"

Reverse of given string : "AIDNI"

- Lambda Expression :- A python Lambda is just another method of to defined a "function".
- Lambda function can accept "zero" or "more" arguments but "only one expression".
- The return value of the lambda function is the value that this expression is evaluated to.
- In other words, a function that will be used only once in your program is known as "lambda expression" and ^{also} these function are called "anonymous functions".