

Lab 4

- Write an ARM Assembly program named lab4.s which reverses a specified number of input strings as shown in the examples below.

- Negative input for the number of strings:

```
Enter the number of strings :
```

```
-1
```

```
Invalid Number
```

- Zero as input for the number of strings :

```
Enter the number of strings :
```

```
0
```

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- Positive input for the number of strings:

```
Enter the number of strings :
```

```
2
```

```
Enter input string 0:
```

```
Hello there!
```

```
Output string 0 is...
```

```
!ereht olleH
```

```
Enter input string 1:
```

```
Never tell me the odds
```

```
Output string 1 is...
```

```
sddo eht em llet reveN
```

Lab 4

- You may use library functions
- Assume a string is less than 200 characters long
- An Intel x86_64 executable binary is provided for you to observe the expected behavior
- Compress the file lab4.s into a groupXX.zip file and submit the .zip file.