# PROBLEM STATEMENT:

Write X86/64 ALP to perform non-overlapped block transfer with & without string specific instructions. Block containing data can be defined in the data segment.

## SAMPLE OUTPUTS

1. Without String Instruction (Before Transfer)

```
 Write X86/64 ALP to perform non-overlapped block transfer with & without string specific instructions.
 Nikhil, 3232

Enter 5 Numbers for Source Block -->
1231425896321475
1111111111111111
7777777777777777
6666666666666666
2222222222222222

 Choose from the following -->
        1. Without String Specific Instruction
        2. With String Specific Instruction
        3. Exit
 Your Choice :: 1

---------- Source Block before Transfer ----------
        1231425896321475
        1111111111111111
        7777777777777777
        6666666666666666
        2222222222222222

---------- Destination Block before Transfer ----------
        0000000000000000
        0000000000000000
        0000000000000000
        0000000000000000
        0000000000000000
```

2. Without String Instruction (After Transfer)

```
---------- Source Block after Transfer ----------
        1231425896321475
        1111111111111111
        7777777777777777
        6666666666666666
        2222222222222222

---------- Destination Block after Transfer ----------
        1231425896321475
        1111111111111111
        7777777777777777
        6666666666666666
        2222222222222222

 Choose from the following -->
        1. Without String Specific Instruction
        2. With String Specific Instruction
        3. Exit
 Your Choice :: 3
```

### 3. With String Instruction (Before Transfer)

```
Write X86/64 ALP to perform non-overlapped block transfer with & without string specific instructions.
Nikhil, 3232

Enter 5 Numbers for Source Block -->
1111111111111111
2222222222222222
3333333333333333
4444444444444444
5555555555555555

Choose from the following -->
        1. Without String Specific Instruction
        2. With String Specific Instruction
        3. Exit
Your Choice :: 2

---------- Source Block before Transfer ----------
        1111111111111111
        2222222222222222
        3333333333333333
        4444444444444444
        5555555555555555

---------- Destination Block before Transfer ----------
        0000000000000000
        0000000000000000
        0000000000000000
        0000000000000000
        0000000000000000
```

### 4. With String Instruction (After Transfer)

```
---------- Source Block after Transfer ----------
        1111111111111111
        2222222222222222
        3333333333333333
        4444444444444444
        5555555555555555

---------- Destination Block after Transfer ----------
        1111111111111111
        2222222222222222
        3333333333333333
        4444444444444444
        5555555555555555

Choose from the following -->
        1. Without String Specific Instruction
        2. With String Specific Instruction
        3. Exit
Your Choice :: 3
```