Nikhil, 3232

PROBLEM STATEMENT:

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

SAMPLE OUTPUTS

1. Without String Specific Instruction (Before Transfer)

```
 Write X86/64 ALP to perform Overlapped block transfer with & without string specific instructions.
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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 :: 1

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

---------- Destination Block before Transfer ----------
        4444444444444444
        5555555555555555
        0000000000000000
        0000000000000000
        0000000000000000
```

2. Without String Specific Instruction (After Transfer)

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

---------- 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
```

3. With String Specific Instruction (Before Transfer)

```
 Write X86/64 ALP to perform Overlapped block transfer with & without string specific instructions.
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Enter 5 Numbers for Source Block -->
AAAAAAAAAAAAAAAA
BBBBBBBBBBBBBBBB
CCCCCCCCCCCCCCCC
DDDDDDDDDDDDDDDD
EEEEEEEEEEEEEEEE

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

---------- Source Block before Transfer ----------
        AAAAAAAAAAAAAAAA
        BBBBBBBBBBBBBBBB
        CCCCCCCCCCCCCCCC
        DDDDDDDDDDDDDDDD
        EEEEEEEEEEEEEEEE

---------- Destination Block before Transfer ----------
        DDDDDDDDDDDDDDDD
        EEEEEEEEEEEEEEEE
        0000000000000000
        0000000000000000
        0000000000000000
```

4. With String Specific Instruction (After Transfer)

```
---------- Source Block after Transfer ----------
        AAAAAAAAAAAAAAAA
        BBBBBBBBBBBBBBBB
        CCCCCCCCCCCCCCCC
        AAAAAAAAAAAAAAAA
        BBBBBBBBBBBBBBBB

---------- Destination Block after Transfer ----------
        AAAAAAAAAAAAAAAA
        BBBBBBBBBBBBBBBB
        CCCCCCCCCCCCCCCC
        DDDDDDDDDDDDDDDD
        EEEEEEEEEEEEEEEE

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