**Microprocessor and Computer Architecture**

**UE20CS252**

**4th Semester, Academic Year 2021-22**

Date:1 feb 2022

|  |  |  |
| --- | --- | --- |
| Name: Naman Choudhary | SRN: PES2UG20CS209 | Section  D |

Week#\_\_\_\_3\_\_\_\_\_\_\_ Program Number: \_\_\_\_1\_\_\_

Title of the Program

**Write a program in ARM7TDMI-ISA to find the sum of N data items in the memory. Store the result in the memory location.**

**a. Use Full word (.word directive)**

**b. Use Half word(.Hword directive)**

**c. Use Byte wise (.Byte directive)**

**{1,2,3,4,5}**

1. ARM Assembly Code(1)
2. Output Screenshot(1)
3. Output table (1)

**Included in above screenshots**

**Microprocessor and Computer Architecture**

**UE20CS253**

**4th Semester, Academic Year 2021-22**

Date:

|  |  |  |
| --- | --- | --- |
| Name: Naman Choudhary | SRN:PES2UG20CS209 | Section  D |

Week#\_\_\_\_3\_\_\_\_\_\_\_ Program Number: \_\_\_\_2\_\_\_

Title of the Program

**Write a program in ARM7TDMI-ISA to find the sum of N natural numbers. Store the result in the memory location**

1. ARM Assembly Code(1)
2. Output Screenshot(1)
3. Output table (1)

**Included in above screenshots**

**Microprocessor and Computer Architecture**

**UE20CS253**

**4th Semester, Academic Year 2021-22**

Date:

|  |  |  |
| --- | --- | --- |
| Name: Naman Choudhary | SRN:PES2UG20CS209 | Section  D |

Week#\_\_\_\_3\_\_\_\_\_\_\_ Program Number: \_\_\_\_2\_\_\_

Title of the Program

**Write a program in ARM7TDMI-ISA to find the sum of N natural numbers. Store the result in the memory location**

1. ARM Assembly Code(1)
2. Output Screenshot(1)
3. Output table (1)

**Included in above screenshots**

**Disclaimer:**

* The programs and output submitted is duly written, verified and executed by me.
* I have not copied from any of my peers nor from the external resource such as internet.
* If found plagiarized, I will abide with the disciplinary action of the University.

Signature:Naman Choudhary

Name:Naman Choudhary

SRN:PES2UG20CS209

Section: D

Date:24/01/2022