

Danyl Fernandes 202002004 (72)

Date : _ Page No.:

| A | | 02 |
|--------|--------|----|
| J-1531 | gnment | US |
| | A | |

| | Assignment 03 | | | | |
|--|--|---|--|--|--|
| | V | | | | |
| Q1) | Procedure | Mario | | | |
| + - 4 | THE DESTRUCTION OF THE PARTY OF | - 100F | | | |
| Ser 1 | It resembles a | i) When the assembler | | | |
| | call function of | comes cieross the | | | |
| | high level lang. | instruction "CALL MACRO" | | | |
|) | The processor | it replaces this | | | |
| | beanches to the | Instruction with the | | | |
| | processor on call | group of instructions | | | |
| 1 | proc instruction | placed in the macro | | | |
| | returns back to | FOCA DAGE FOLK | | | |
| The state of the s | the calle after | FOOD I'V 47- FELDER S | | | |
| All and the second second | execution | FOOE PAR Skir | | | |
| HAND | JUSSON MAN | 1 FOOF 1 42 MI FO | | | |
| . 2) | Since the processor | 2) Macro closs nt required any latery period. | | | |
| m of | beanches to another | required any latery | | | |
| | memory location 4 | period- | | | |
| . N | letiens back | | | | |
| | | | | | |
| 3) | Since the assembler | 3) Since the assembler | | | |
| | Stores the instructions | replaces all 'CAIL | | | |
| · ==================================== | of procedure only | M'ACRO" instruction | | | |
| | once in the memory, | by the group of | | | |
| | the program consumes | instructions in the | | | |
| Service Color | the program consumes less space in memoy | maero the program | | | |
| | · | consumes more | | | |
| | | Space in memay | | | |
| <u> </u> | | | | | |
| 4) | Procedures are to | 5) Mours are tu be | | | |
| | be used for repitative | used for repetitive | | | |
| | be used for repitative task, if task is king | tosa if took is | | | |
| | U = | sina. | | | |



FOOE

FOOF

F012

F015

Daryl Fernandes 2020012004 (72)

Decrease C

Terninate the

projean.

JNZ Zoop When count is no LXI H 90 00H Point to strature MOV M, B Store the mining

JNZ ZOOP

| \mathbb{Q}^2 | 1 Setepment 03 | | | |
|----------------|----------------|---------|--------------|-------------------|
| | | · | | |
| Address | Hex code | labels | Mnemonics | Comments |
| _F000 | 21,00,80 | / | LX1 H, 8000H | Point to get our |
| _F003 | 4E | | MONCM | act the six of |
| F004 | 23 | | INX M | Point to ochient |
| F005 | 46 | you I I | MOV B, M | Load the first of |
| F006 | ap | | DCR C | Derieux C |
| F007 | 23 | LOOP | INXH | Point the nextlo |
| F008 | 7E | | MOVAM | Get the nexto. |
| F009 | B8 | | CMP B | Compare acc tol |
| FOOA | DA, OF, F | 0 | JC SKIP | if B>A, Mensky |
| FOOD | 47 | | MOVBA | if Chico al |

F016

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C2, 07, PO

21,00,90

Skip