CUVIN

Shri Vile Parle Kelavani Mandal's

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING



(Autonomous College Affiliated to the University of Mumbai) NAAC Accredited with "A" Grade (CGPA: 3.18)

Academic Year: 2022-2023

Name:	Prerna Sunil Jadhav
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Class:	T. Y. B.Tech (Computer Engineering)
Course:	Processor Organization and Architecture (POA)
Course Code:	DJ19CEL502
Experiment No.:	09

AIM: Assembly program to find factorial with macros.

```
CODE:
fact macro f
       up:
               mul f
               dec f
       jnz up
endm
data segment
       num dw 05h
       result dw?
ends
code segment
       start:
               mov ax, data
               mov ds, ax
               mov ax, 0001h
               fact num
```

CODE ends

mov result, ax

END START

OUTPUT:

