

Amrita Vishwa Vidyapeetham
B.Tech. Degree CSE (AI) First Semester
Computational Engineering and Networking

19AIE101-Elements of Computing Systems-1 : Written Assignment 5 (Group-wise)


Max marks: 100 (Including viva)

This evaluation is related to the following course outcome

CO4: Build a general-purpose computer capable of running stored programs written in the machine language

**Qn
No**

Question

- 1 Explain the concept of pointers in Hack Assembly language. Write a hack assembly language program to create an array of size 25 with values -1
- 2 Explain about the screen-memory map in Hack computer. Write a hack assembly language program to draw a rectangle at the lower right corner, 32 pixel wide and 100 pixel long 
- 3 Write a hack assembly language program to blacken the entire pixels on the screen on a 'keypress' by the user

Instructions: There should be a pseudo code for each program with proper line comments. The answer can be uploaded as word file or PDF or PPT (Don't upload HDL file). Show the code and output combination as screenshot inside the word or PDF or PPT .You can upload the file one time only. So kindly ensure that you are uploading the correct file or not. The first page of the file should contain your identity information.

Link to upload word/PDF/PPT (One member in the team can upload. Do not upload zip folder)

https://amritavishwavidyapeetham-my.sharepoint.com/personal/g_jyothishlal_cb_amrita_edu/_layouts/15/onedrive.aspx?p=26&s=aHR0cHM6Ly9hYXNpdGF2aXNod2F2aWR5YXBiZXRoYW0tbXkuc2hhcmVwb2ludC5jb20vOmY6L2cvcGVyc29uYWwvZ19qeW90aGlzIGxhbF9jYi9hbXJpdGFfZWRR1LOVvU2VrTlFmZ3FkRWI5Zy1RVXZzbnJBQlF4dW8xRy1MaU5TYlI5Y25iITlp2c3c