

Outputs SS TEST

PART A

Absolute Loader

```
(base) ishank@cyberbeast:~/Desktop/6thSemIse/SystemSoftware/PART A/absolutelader$ gcc absload.c
(base) ishank@cyberbeast:~/Desktop/6thSemIse/SystemSoftware/PART A/absolutelader$ ./a.out
Loading Program COPY of length 107A starting at Address 1000 :-
1000 14
1001 10
1002 33
1003 48
1004 20
1005 39
1006 00
1007 10
1008 36
1009 28
100A 10
100B 30
100C 30
100D 10
100E 15
100F 48
1010 20
1011 61
1012 3C
1013 10
1014 03
1015 00
1016 10
1017 2A
1018 0C
1019 10
101A 39
101B 00
101C 10
101D 2D
101E 0C
101F 10
1020 36
1021 48
1022 20
1023 61
1024 08
1025 10
1026 33
1027 4C
```

Object Program Generation

```
(base) ishank@cyberbeast:~/Desktop/6thSemIse/SystemSoftware/PART A/objectprogramgeneration$ ./a.out
Object Program:-
H ** 002000 001014
T 002000 0F 00300F 0C200F 503012 543013 743013
T 00300F 04 000005 5A
E 002000
```

One Pass MacroAssembler

```
(base) ishank@cyberbeast:~/Desktop/6thSemIse/SystemSoftware/PART A/onepassmacroprocessor$ ./a.out
Output file generated as output.txt and DEFTAB as deftab.txt
(base) ishank@cyberbeast:~/Desktop/6thSemIse/SystemSoftware/PART A/onepassmacroprocessor$
```

Pass1Assembler

```
(base) ishank@cyberbeast:~/Desktop/6thSemIse/SystemSoftware/PART A/pass1assembler$ ./a.out
Output File generated as output.txt
```

Pass2Assembler

→ Output is generated as output2.txt

Relocation Loader

```
(base) ishank@cyberbeast:~/Desktop/6thSemIse/SystemSoftware/PART A/RelocationLoader$ ./a.out
Enter Starting Address: 1000
Loading Program COPY00 of length 000014 starting at Address 001000 :-
001000 142033
001003 482039
001006 901776
001009 921765
00100C 572765
003011 233838
003014 433979
003017 893979
00301A 662849
```