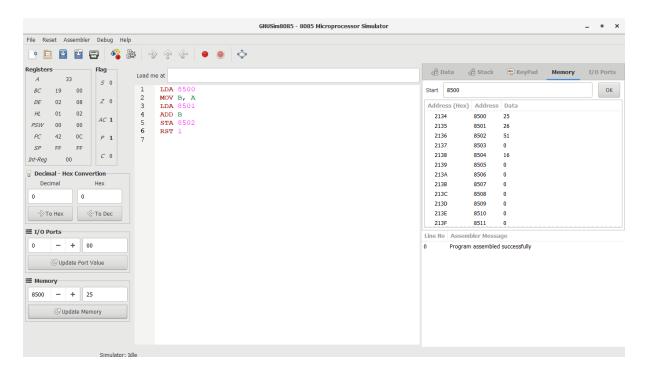
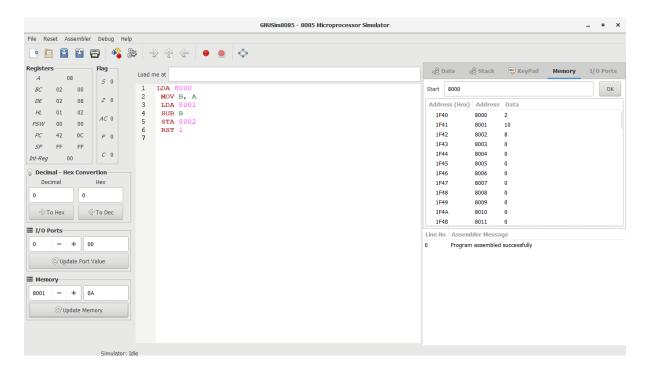
DAY 1: EXPERIMENTS -1 TO 11

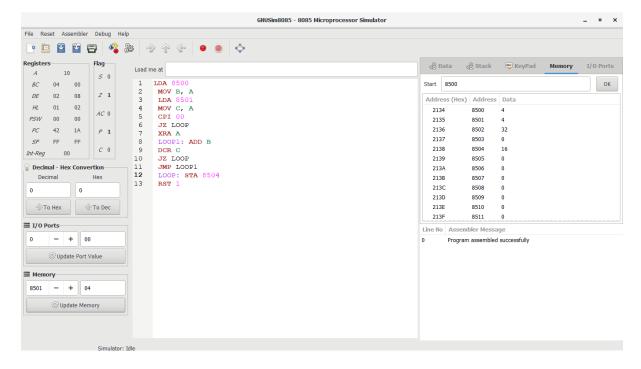
1.8-BIT ADDITION



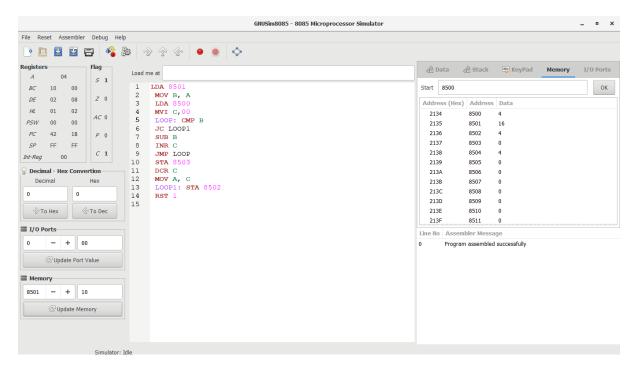
2.8-BIT SUBTRACTION



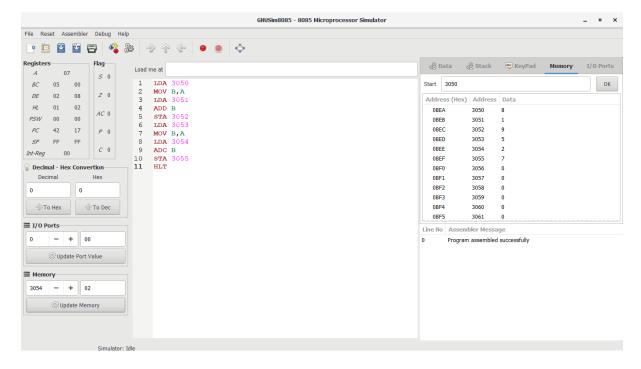
3.8-BIT MULTIPLICATION



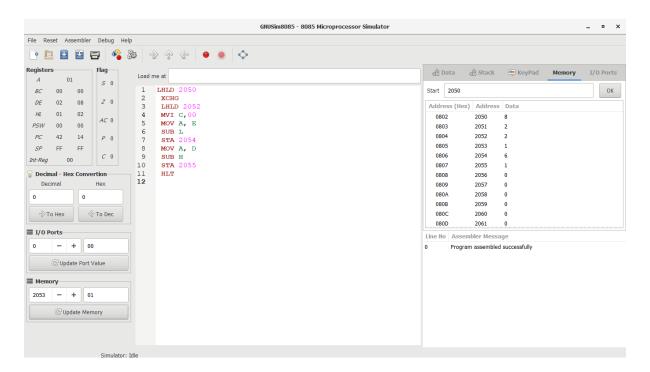
4.8-BIT DIVISION



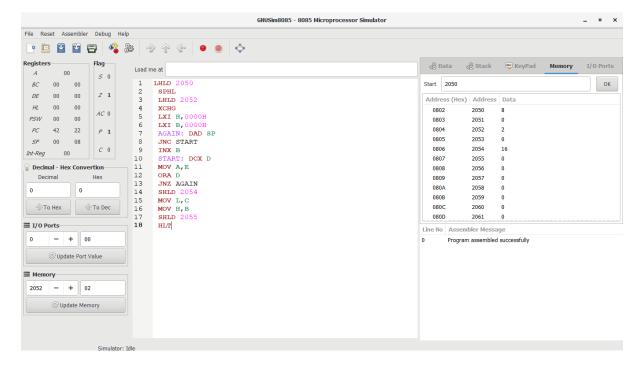
5.16-BIT ADDITION



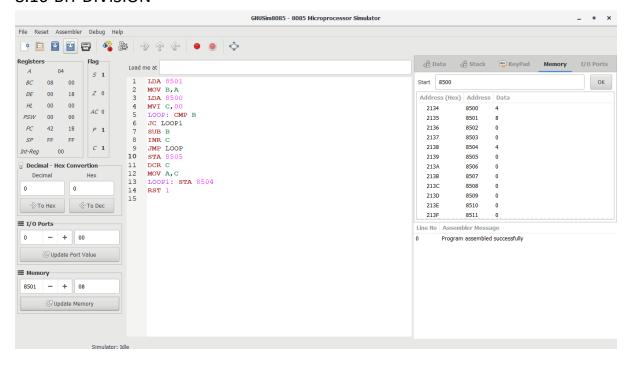
6.16-BIT SUBTRACTION



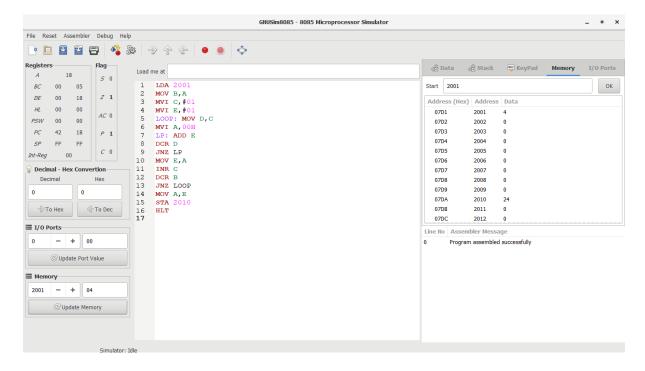
7.16-BIT MULTIPLICATION



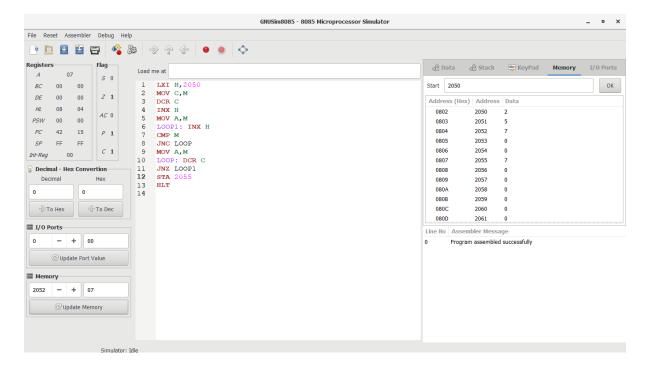
8.16-BIT DIVISION



9. FACTORIAL IN 8085



10.LARGEST NUMBER IN AN ARRAY



11.LEAST EXCECUTION TIME

#include <stdio.h>

```
int main() {
```

float cr;

```
int p, p1, i;
float cpu[5];
float cpi, ct, max;
printf("Enter the number of processors:");
scanf("%d", &p);
p1 = p;
for (i = 0; i < p; i++) {
  printf("Enter the Cycles per Instruction of processor %d:", i+1);
  scanf("%f", &cpi);
  printf("Enter the clock rate in GHz:");
  scanf("%f", &cr);
  ct = 1000 * cpi / cr;
  printf("The CPU time is: %.2f\n", ct);
  cpu[i] = ct;
}
max = cpu[0];
for (i = 1; i < p1; i++) {
  if (cpu[i] < max)</pre>
     max = cpu[i];
}
```

printf("The processor with the lowest execution time is: %.2f\n ", max);

return 0;

```
}
a 🛂 🔳
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ■ C:\Users\hp\Desktop\COMPUTER ARCHITECTURE\Least execution time of a processor.exe
                                                                                                                                                                                                                                                                                                                                                                                                                                                   merry the mulber of processors:2
inter the number of processors:2
inter the Cycles per Instruction of processor 1:2
inter the clock rate in 6Hz:5
The CPU time is: 400.00
inter the Cycles per Instruction of processor 2:2
inter the clock rate in 6Hz:4
The CPU time is: 500.00
The CPU time is: 500.00
The processor with the lowest execution time is: 400.00
The processor with the lowest execution time is: 400.00
                                                                                                            Least execution time of a processor.cpp
                                                                                                                           1 #include <stdio.h>
                                                                                                                   1 #include <stdio.h>
2
3 int main()
float cri
float cry[5]
folat cpi, ct, max;

8
printf("Enter the num
float cri
float cpi, ct, max;

8
printf("Enter the scanf("M", &cpi)
float cpi, ct, max;

8
printf("Enter the scanf("M", &cpi)
float cpi, ct, max;

11
printf("Enter the scanf("M", &cpi)
float cpi, ct = 1000 cpi,
float cpi, ct =
                                                                                                                                                                    printf("Enter the number of processors:");
scanf("%d", &p);
p1 = p;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         occess exited after 11.74 seconds with return value 0 pess any key to continue . . . _
                                                                                                                                                                for (i = 0; i < p; i++) {
    printf("Enter the cycles per Instruction of proce
    scanf("%", %cpl);
    printf("Enter the clock rate in GHz:");
    scanf("%", %cr);
    ct = 1000 * cpi / cr;
    printf("The CPU time is: %.2f\n", ct);
    cpu[i] = ct;
}</pre>
                                                                                                                                                                max = cpu[0];
for (i = 1; i < p1; i++) {
      Compiler Resources Compile Log Debug Find Results Close
         Abort Compilation Compilation results...
                                                                                                                    - Errors: 0
- Warnings:
                                                                                                                            Marnings: O
Warnings: C:\Users\hp\Desktop\COMPUTER ARCHITECTURE\Least execution time of a processor.exe
Output Size: 128.640625 KiB
Compilation Time: 0.59s
      Shorten compiler paths
   Line: 8 Col: 5 Sel: 0 Lines: 33
                                                                                                                                                                                                                                                          Length: 739
                                                                                                                                                                     Eligib. 799 inset. Some parally in College parally
```