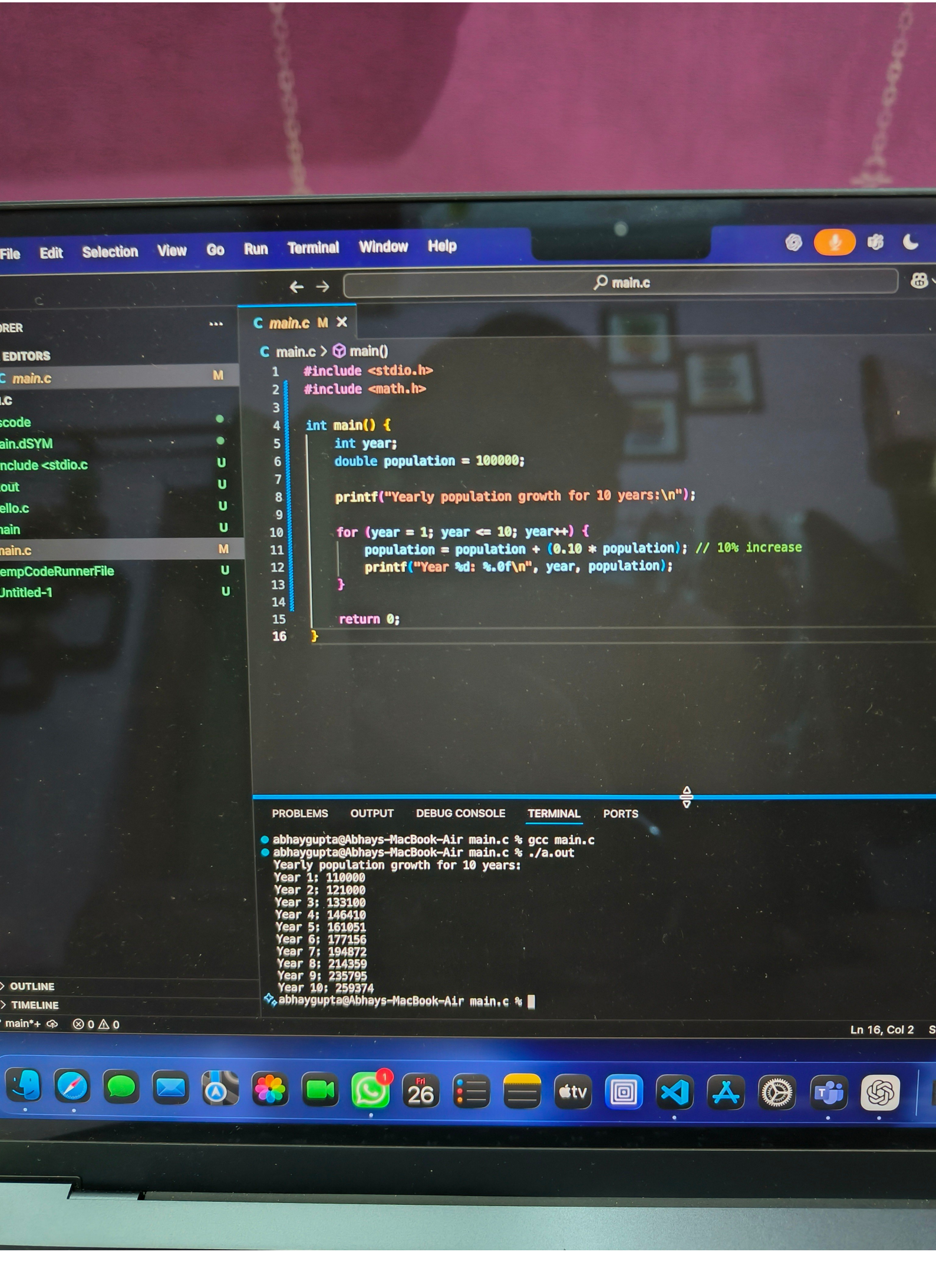
Page No: Enroll
Date: / /

4.

```
#include <stdio.h>
#include <math.h>

int main() {
    int year;
    double population = 100000;

Printf("Yearly population growth for 10 years:\n");

for (year = 1; year <= 10; year++) {
    population = population + (0.10 * population);
  Printf("Year %d; %.0f\n", year, population);
}

return 0;
}
```

Teacher's Signature .....


File Edit Selection View Go Run Terminal Window Help
main.c
EDITORS
main.c M
main.c M
main.c > main()
#include <stdio.h>
#include <math.h>
int main() {
int year;
double population = 100000;
printf("Yearly population growth for 10 years:\n");
for (year = 1; year <= 10; year++) {
population = population + (0.10 * population); // 10% increase
printf("Year %d: %.0f\n", year, population);
}
return 0;
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
abhaygupta@Abhays-MacBook-Air main.c % ./a.out
Yearly population growth for 10 years:
Year 1: 110000
Year 2: 121000
Year 3: 133100
Year 4: 146410
Year 5: 161051
Year 6: 177156
Year 7: 194872
Year 8: 214359
Year 9: 235795
Year 10: 259374
abhaygupta@Abhays-MacBook-Air main.c %
OUTLINE
TIMELINE
Ln 16, Col 2