

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; %e of\n", year, population);

}

return 0;

}

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main.c

DRER

EDITORS

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include <stdio.h>

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C main.c > main()

```
1 #include <stdio.h>
2 #include <math.h>
3
4 int main() {
5     int year;
6     double population = 100000;
7
8     printf("Yearly population growth for 10 years:\n");
9
10    for (year = 1; year <= 10; year++) {
11        population = population + (0.10 * population); // 10% increase
12        printf("Year %d: %.0f\n", year, population);
13    }
14
15    return 0;
16 }
```

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

main*+ 0 0 0

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