

```
#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; %f\n", year, population);
```

```
}
```

```
return 0;
```

```
}
```

$\pi (r = 10) \approx$

$b^3 = b \times b \times b = b^3 = 10^3 = 1000$

$b^3 = b^3 \div b^3 = b^0 = 1$

Teacher's Signature

Teacher's Signature

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EDITOR
EDITORS
C main.c M
.c
code
ain.dSYM
include <stdio.h>
out
Hello.c
main
main.c
tempCodeRunnerFile
Untitled-1

C main.c M X
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 %

Ln 16, Col 2

