

```
Output - Gaddis_edition8_Chap5_Q11_Population (Run) ×
User enter starting number of organisms 150000
User enter number of days organisms will multiply 10
User enter average daily population increase in positive number 50
Day Size of Population
Day 1 225000
Day 2 337500
Day 3 506250
Day 4 759375
Day 5 1139062
Day 6 1708593
Day 7 2562890
Day 8 3844335
Day 9 5766503

RUN SUCCESSFUL (total time: 15s)
```

Test population input validation

```
Output ×
Gaddis_edition8_Chap5_Q11_Population (Build, Run) × Gaddis_edition8_Chap5_Q11_Population (Run) ×
User enter starting number of organisms 1
User enter quantity 2 or greater please 0
User enter starting number of organisms 2
User enter number of days organisms will multiply 10
User enter average daily population increase in positive number 50
Day Size of Population
Day 1 3
Day 2 4
Day 3 6
Day 4 10
Day 5 15
Day 6 22
Day 7 34
Day 8 51
Day 9 76

RUN SUCCESSFUL (total time: 19s)
```

Test for day input

```
Gaddis_edition8_Chap5_Q11_Population (Build, Run) × Gaddis_edition8_Chap5_Q11_Population (Run) ×  
User enter starting number of organisms 200  
User enter number of days organisms will multiply 0  
User enter duration 1 day or more 1  
User enter average daily population increase in positive number 50  
Day Size of Population  
RUN SUCCESSFUL (total time: 17s)
```

Test for percentage validation

```
Gaddis_edition8_Chap5_Q11_Population (Build, Run) × Gaddis_edition8_Chap5_Q11_Population (Run)  
User enter starting number of organisms 8000  
User enter number of days organisms will multiply 0  
User enter average daily population increase in positive number -90  
User please enter a positive number 90  
Day Size of Population  
Day 1 15200  
Day 2 28880  
Day 3 54872  
Day 4 104257  
Day 5 198088  
Day 6 376367  
Day 7 715097  
Day 8 1.35868e+06  
Day 9 2.5815e+06  
RUN SUCCESSFUL (total time: 25s)
```