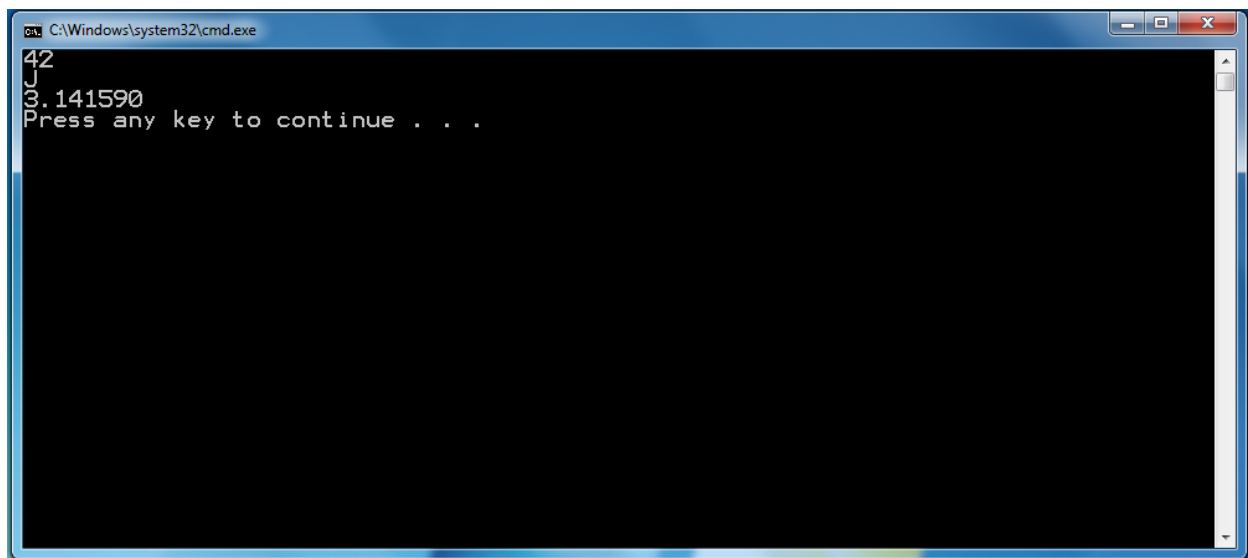Create a project called Daily17. Add a C source file to the project named daily17.c.

Write a program that uses malloc to allocate the space for three dynamic variables on the heap. One of type int, one of type char and one of type double. Make sure that malloc was able to give you memory by checking that the return value is not NULL. If it fails, print an appropriate message and exit the program using the exit function.   Assign the values 42, 'J', and 3.14159 to the variables respectively and then print them on the screen separated by new lines. When you are finished, use the free function to release the memory associated with each dynamic variable back to the operating system.

Your program output should look something like the following:

```
C:\Windows\system32\cmd.exe
42
J
3.141590
Press any key to continue . . .
```

At the top of your program you should have a comment section that follows the below format:

```
/***********************************************
      Author: <insert your name>
      Date: 10/22/2014

      Purpose: <Insert a short description of what
          your program does here.>
      Time Spent: <Insert how much time you spent
          on the assignment here>
***********************************************/
```