

1. Break 6
2. r
- 3.

1 st iteration	2 nd iteration	3 rd iteration	4 th iteration
Num 112	11	1	0
Rev_num 5	52	521	5211

4. It takes the given number, divides it by 10. The code then follows the given conditions and continues to run and loop through the code as long as the number is greater than 0. When number reaches 0, it will terminate.
5. - Line 8: initialized space variable
- Line 10: \n to '\n'
- Line 21: cast float type for letters variable in print statement.

```
[agentile2@gsuad.gsu.edu@snowball ~]$ gcc -o q2 -g q2.c
q2.c: In function 'main':
q2.c:11:2: error: stray '\' in program
  while ((character=getchar()) != \n) {
  ^
q2.c:11:35: error: 'n' undeclared (first use in this function)
  while ((character=getchar()) != \n) {
                                   ^
q2.c:11:35: note: each undeclared identifier is reported only once for each func
tion it appears in
q2.c:13:8: error: 'space' undeclared (first use in this function)
  if(!space){
      ^
q2.c:22:47: error: 'word' undeclared (first use in this function)
  printf("Average word length: %.1f", letters/word);
                                              ^
[agentile2@gsuad.gsu.edu@snowball ~]$
```