Question: Is there any example for which the following two loops will not work same way?

```
/*Program 1 --> For loop*/
for (<init-stmnt>; <boolean-expr>; <incr-stmnt>)
{
    <body-statements>
}

/*Program 2 --> While loop*/
<init-stmnt>;
while (<boolean-expr>)
{
    <body-statements>
    <incr-stmnt>
}
```

Solution:

If the body-statements contains continue, then the two programs will work in different ways

```
1  int main()
2  {
3  int i = 0;
4  for(i = 0; i < 3; i++)
5  {
6      printf("loop ");
7      continue;
8  }
9
10 return 0;
11 }
12
```

Example for program 2

```
1  int main()
2  {
3  int i = 0;
4  while(i < 3)
5  {
6      printf("loop"); /* printed infinite times */
7      continue;
8      i++; /*This statement is never executed*/
9  }
10
11 return 0;
12 }
```