# **Git - Review Changes**

After viewing the commit details, Jerry realizes that the string length cannot be negative, that’s why he decides to change the return type of my\_strlen function.

Jerry uses the git log command to view log details.

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| --- |
| [jerry@CentOS project]$ git log |

The above command will produce the following result.

|  |
| --- |
| commit cbe1249b140dad24b2c35b15cc7e26a6f02d2277  Author: Jerry Mouse <jerry@tutorialspoint.com>  Date: Wed Sep 11 08:05:26 2013 +0530  Implemented my\_strlen function |

Jerry uses the git show command to view the commit details. The git show command takes SHA-1 commit ID as a parameter.

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| --- |
| [jerry@CentOS project]$ git show cbe1249b140dad24b2c35b15cc7e26a6f02d2277 |

The above command will produce the following result −

|  |
| --- |
| commit cbe1249b140dad24b2c35b15cc7e26a6f02d2277  Author: Jerry Mouse <jerry@tutorialspoint.com>  Date: Wed Sep 11 08:05:26 2013 +0530  Implemented my\_strlen function  diff --git a/string.c b/string.c  new file mode 100644  index 0000000..187afb9  --- /dev/null  +++ b/string.c  @@ -0,0 +1,24 @@  +#include <stdio.h>  +  +int my\_strlen(char \*s)  +{  +  char \*p = s;  +  +  while (\*p)  + ++p;  + return (p -s );  +  }  + |

He changes the return type of the function from int to size\_t. After testing the code, he reviews his changes by running the git diff command.

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| --- |
| [jerry@CentOS project]$ git diff |

The above command will produce the following result −

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| --- |
| diff --git a/string.c b/string.c  index 187afb9..7da2992 100644  --- a/string.c  +++ b/string.c  @@ -1,6 +1,6 @@  #include <stdio.h>  -int my\_strlen(char \*s)  +size\_t my\_strlen(char \*s)  {  char \*p = s;  @@ -18,7 +18,7 @@ int main(void)  };  for (i = 0; i < 2; ++i)  {  - printf("string lenght of %s = %d\n", s[i], my\_strlen(s[i]));  + printf("string lenght of %s = %lu\n", s[i], my\_strlen(s[i]));  return 0;  } |

Git diff shows '+' sign before lines, which are newly added and '−' for deleted lines.