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```
Script started on Fri 24 Nov 2017 02:23:10 PM EST
red 204 % cat check033[Kckhello.sh
#!/bin/bash
```

```
rm -f output.log
rm -f /usr/tmp/temp$$

if [ ! -f "hello.c" ]
then
    echo "hello.c does not exist" >>output.log
    exit
else
    error="/usr/tmp/temp$$"
    gcc -ansi -pedantic hello.c -o hello 2>$error
fi
if [ -s "$error" ]
then
    echo "hello.c compilation errors" >>output.log
else
    echo "hello.c compiles successfully" >>output.log
    echo "Hello World" >expectation
    ./hello >output
    if cmp -s expectation output
    then
        echo "Output correct" >>output.log
    else
        echo "Output mismatch" >>output.log
    fi
fi
red 205 % ./checkhello.sh
red 206 % cat 033[Koutput.log
hello.c does not exist
red 207 % cat hello.c
#include <stdio.h>
```

```
int main()
{
    printf("Hello World\n");
    return 0;
}
red 208 % ./checkhello.s033[Kh
red 209 % cat output.033[Klog
hello.c compiles successfully
Output correct
red 210 % cat hello.c
#include <stdio.h>
```

```
int main()
{
    printf("Hello World");
    return 0;
}
red 211 % ./checkhello.sh
red 212 % cat output.log
hello.c compiles successfully
Output mismatch
red 213 % cat hello.c
#include <stdio.h>
```

```
int main()
{
    printf("Hello World"!!!!!!);
    return 0;
}
```

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```
}  
red 214 % ./checkhello.sh  
red 215 % cat output.log  
hello.c compilation errors  
red 216 % exit  
exit
```

Script done on Fri 24 Nov 2017 02:26:11 PM EST