Python 导论第二次作业

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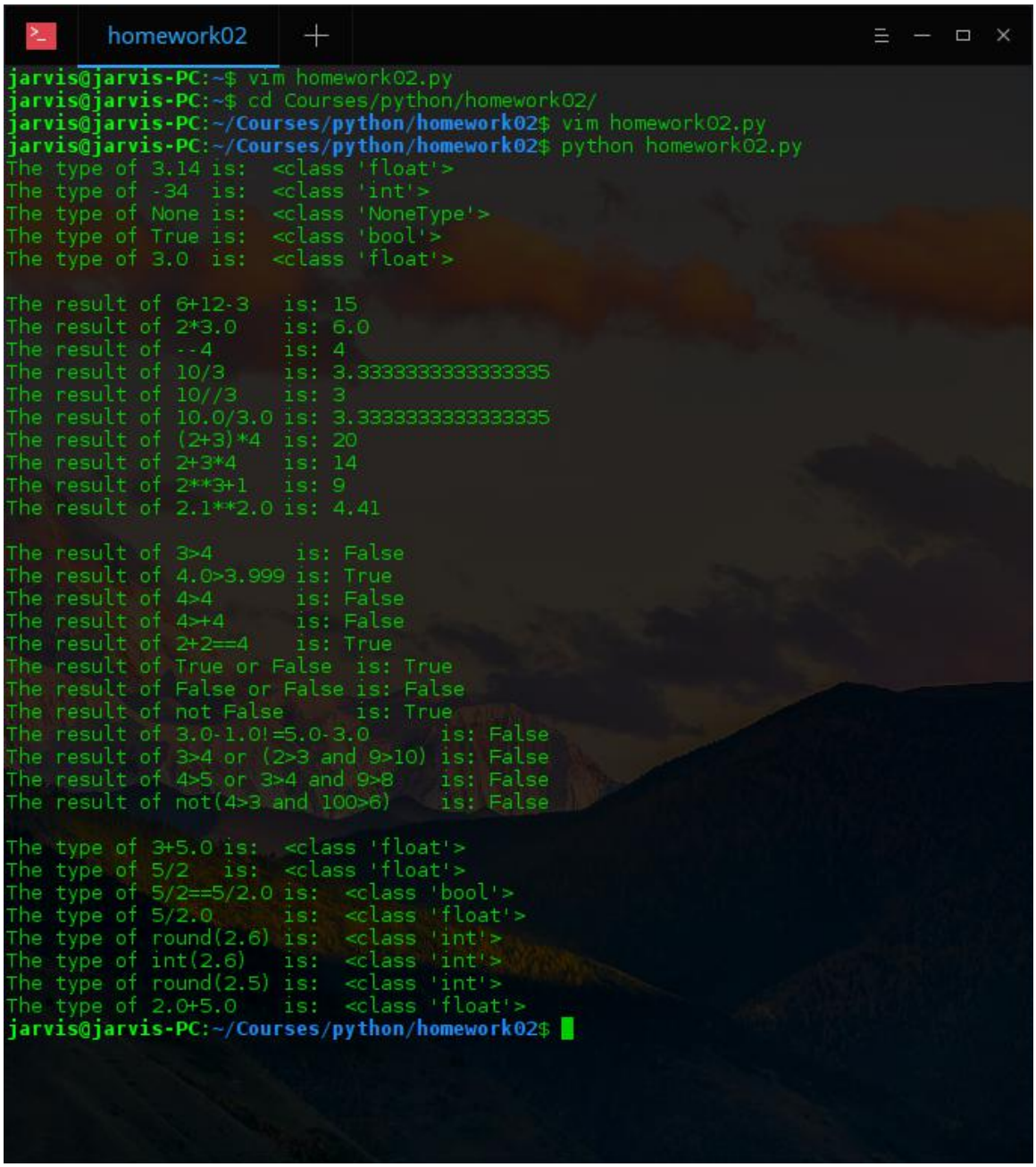
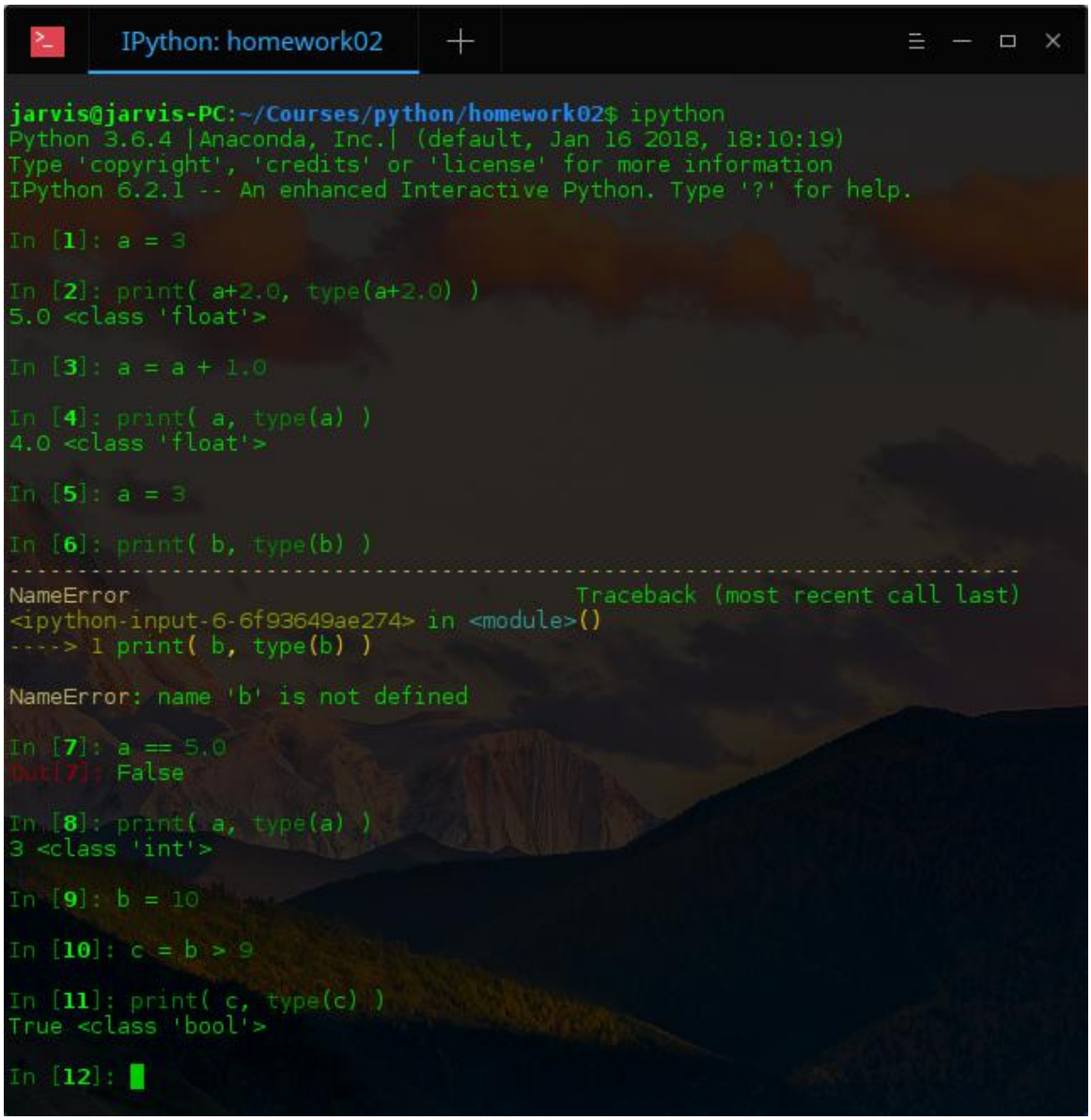
1．编程实现

本作业操作系统为 Linux Deepin，代码编辑器为 Vim，Python 版本为 Anaconda3 中的 Python3.6.4，通过在 Terminal 中调用 Python 命令来运行本次作业的代码文件 homework02.py 完成前四大题的编程实现；并且通过在 Terminal 中直接调用 iPython 来打开其交互界面，输入命令来实现第五大题的编程实现。代码运行结果如下图所示：

前四题代码运行结果如下图所示：



第五题代码运行结果如下：



2. 代码附录

Homework02.py：

```
#*****************************************
print("The type of 3.14 is: ",type(3.14))
print("The type of -34   is: ",type(-34))
print("The type of None is: ",type(None))
print("The type of True is: ",type(True))
print("The type of 3.0   is: ",type(3.0))
print()
#*****************************************
print("The result of 6+12-3     is:", 6+12-3   )
print("The result of 2*3.0      is:", 2*3.0     )
print("The result of --4        is:", --4       )
print("The result of 10/3       is:", 10/3      )
print("The result of 10//3      is:", 10//3     )
print("The result of 10.0/3.0 is:", 10.0/3.0)
print("The result of (2+3)*4   is:", (2+3)*4 )
print("The result of 2+3*4      is:", 3+3*4     )
print("The result of 2**3+1     is:", 2**3+1   )
print("The result of 2.1**2.0 is:", 2.1**2.0)
print()
#*****************************************
print("The result of 3>4          is:", 3>4         )
print("The result of 4.0>3.999 is:", 4.0>3.999)
print("The result of 4>4          is:", 4>4         )
print("The result of 4>+4         is:", 4>+4       )
print("The result of 2+2==4      is:", 2+2==4     )
print("The result of True or False   is:", True or False )
print("The result of False or False is:", False or False)
print("The result of not False         is:", not False       )
print("The result of 3.0-1.0!=5.0-3.0         is:", 3.0-1.0!=5.0-3.0       )
print("The result of 3>4 or (2>3 and 9>10) is:", 3>4 or (2>3 and 9>10))
```

```
print("The result of 4>5 or 3>4 and 9>8       is:", 4>5 or 3>4 and 9>8    )
print("The result of not(4>3 and 100>6)         is:", not(4>3 and 100>6)    )
print()
#*****************************************
print("The type of 3+5.0 is: ",type(3+5.0))
print("The type of 5/2    is: ",type(5/2   ))
print("The type of 5/2==5/2.0 is: ",type(5/2==5/2.0))
print("The type of 5/2.0         is: ",type(5/2.0       ))
print("The type of round(2.6) is: ",type(round(2.6)))
print("The type of int(2.6)    is: ",type(int(2.6)   ))
print("The type of round(2.5) is: ",type(round(2.5)))
print("The type of 2.0+5.0      is: ",type(2.0+5.0    ))
print("The type of 5*2==5.0*2.0   is: ",type(5*2==5.0*2.0))
```