Task 1

Sample1.py

```
1    print("Hello World")
```

Output

```
[Done] exited with code=1 in 1128.784 seconds

[Running] python -u "c:\3rd_Year_Computing\Semester2\Network Distributed\Week3\sample1.py"
Hello World

[Done] exited with code=0 in 0.246 seconds
```

Sample2.py

```
1    print("Hello There")
2    print("What is your name?")
3    name = input()
4    print("hello " + name)
```

Output

```
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3> python sample2.py
Hello There
What is your name?
Nico
hello Nico
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3>
```

Sample3.py

```python
print("Please write your age: ")
age = int(input())

if age <= 17:
    print("You are not an adult")

elif age >= 18:
    print("You are an adult")
```

Output

```
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3> python sample3.py
Please write your age:
18
You are an adult
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3> python sample3.py
Please write your age:
15
You are not an adult
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3>
```

Sample4.py

```python
#Prompts and inputs for user to input details
print("Hello there please enter your first name: ")
firstname = input()
print("Please enter your last name: ")
lastname = input()
print("Please enter your age: ")
age = int(input())

#Function for determining age group
if age <= 20:
    print("Still young!")

elif 40 <= age < 60:
    print("Getting old!")

else :
    print("Retired!")

#printing details to console
print("First Name: " + firstname +" Lastname: " + lastname + " Age: " + str(age))
```

Output

```
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3> python sample4.py
Hello there please enter your first name:
nick
Please enter your last name:
casian
Please enter your age:
17
Still young!
First Name: nick  Lastname: casian Age: 17
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3> python sample4.py
Hello there please enter your first name:
nick
Please enter your last name:
casian
Please enter your age:
45
Getting old!
First Name: nick Lastname: casian Age: 45
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3> python sample4.py
Hello there please enter your first name:
nick
Please enter your last name:
casian
Please enter your age:
65
Retired!
First Name: nick Lastname: casian Age: 65
PS C:\3rd_Year_Computing\Semester2\Network Distributed\Week3>
```