# File: Quiz1.doc(x)

# Description: Basic Syntax of Python

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\* Write the Hello World program

def main():

print(“Hello World!”)

\* Define variables - int, float, str, and bool

myinteger = 1

myfloat = 3.3

mystring = “Have a wonderful day!”

sunnyThursday = True

\* Arithmetic Operators: + - \* / // % \*\*

x = 9

y = 1

x +y

x – y

x\*y

x/y

x//y

x%y

x\*\*y

\* Comparison Operators: < <= > >= == !=

x=9

y=2

x>y

x<=y

x>y

x>=y

x==y

x!=y

\* Boolean Operators: not, and, or

x=True

y=False

not x

x and y

x or y

\* Conditionals: if-else

x = 1

y = 2

if x<y:

print(“Good!”)

else:

print(“Bad!”)

\* Loops: while

x = 1

while x == 1:

print(“Correct!”)

\* Loops: for

x = 1

for x in range (1,3):

print(“Not bad!”)

\* Function:

def printme(inputString):

print (inputString)

printme(“Hello”)

\* Simple Input from console:

x = input(“Please input a number:”)

\* Simple Output using print:

print(“HAPPY!”)

\* Define a list:

L = [1,1,2,13]

\* Print every element in a list:

for element in L:

print(element)

\* Define a tuple:

T = (1,2)

\* Print every element in a tuple:

for element in T:

print(element)

\* Define a set:

S = {1,2}:

\* Print every element in a set:

for element in S:

print (element)

\* Define a dictionary of 3 countries and their capitals:

D = {1:2, 2:3}

\* Print the each key-value pair in the dictionary

for pair in D.items():

print(pair)