Exercise 1.1

1.In the print statement if the parenthesis is left out then it is considered as a syntax Error

2.Again if the print statement is devoid of quotation in an encapsuled string then python throws Syntax Error (unexpected EOF)

3.In the case of using a unary sign on a number, then it is legal to use in python

So, 2++2 evaluates to 4

4.Leading zeroes are not permitted in python as it expects o0 for octal prefix not for decimals

5.Two values with no operator is a syntax error

Exercise 1.2

1.Number of Seconds:42\*60+42=2562 seconds

2.Number of miles in 10 km =6. 211180124223602 miles

3.average pace=0.035 miles/min/sec

3(b).Average speed =0.14 mph

Exercise 2.1

1. 42=n is not legal in python as lvalue cannot be assigned to rvalue

2.x=y=1 is legal since both x,y are assigned as 1

3.semicolon can be used in python to terminate a statement since python to some extent still supports c type syntax however to denote a block indents must be used ,so semicolons are ignored

4.Python throws error stating invalid syntax

5.xy is considered as a separate variable and will be undefined however to perform the same operation x\*y is valid

Exercise 2.2

1.>>>4/3\*3.14\*5\*\*3

523.33

2.>>> book=24.95-(24.95\*0.4)

>>> total=3+0.75\*59+book\*60

>>> total

945.4499999999999

3. >>> time=2\*8.15+3\*7.12

>>> time

37.66>>> 7:30am