

Exercise 1

```
-----  
print "hello"  
#variables  
#integer  
a = 2  
print a*2  
#float  
a= 2.34  
print a*2  
#character  
a = "c"  
print a*2  
#string  
a = "hello ceglug"  
print a*2
```

Exercise 2

```
-----  
#input  
name_number = input("Enter your name: ")  
print ('Hello', name_number)
```

```
name = raw_input("enter your name: ")  
print ("Hello", name)
```

Exercise 3

```
-----  
#input and if then else syntax  
number = input("Enter the number ")  
print ('Hello', number)  
  
if number == 2:  
    print ("The value of number is: ",number)  
elif number == 4:  
    print ("The value of number is: ",number)  
else:  
    print ("Neither 2, nor 4, the number is: ", number)
```

Exercise 4

```
-----  
def add(p,q):  
    return p+q  
  
def subtract(p,q):  
    return p-q  
  
def multiply (p,q):  
    return p*q  
  
def divide (p,q):  
    return float(p)/float(q)
```

```
a = 4
b = 6
```

```
print add (a,b)
print subtract (a,b)
print multiply (a,b)
print float(divide (a,b))
```

Exercise 5

#lists

```
names = ['darwin', 'krishna', 'dickens']
names[0] = "bharathiar"
number = [ 6, 7,8,9]
print names[0], number[0]
```

```
print names + number
```

```
print [names]+[number]
```

Exercise 6

dictionary

```
students = {1:"ram", 2: "govind", 3: "asura"}
print students
print students[1]
print len (students)
```

```
for i,v in students.items ():
    print i,v
```

Exercise 7

#tuple

```
tuple1 = ('python', 'ruby','c','java')
list1 = ['python','ruby','c','java']
print tuple1
print list1
# Let's include windows in the list and it works!
list1[1] = "windows"
print list1
# Windows does not work here!
tuple1[1] = "windows"
print tuple1
```

Exercise 8

#file reading and writing

```
file1 = open('test.txt')
```

```
for line in file1:
    print line
file2 = open('test2.txt','w')
line2 = "This is a text from the program \n"
file2.write(line2)
```

Exercise 9

```
-----
inp = raw_input("enter the temp")
try:
    fahr = float(inp)
    cel = (fahr - 32.0) *5.0/9.0
    print cel
except:
    print "enter a number"
```