

Assignment – 1

a) Basic Calculator

i=1

while(i<=4):

operation=int(input("select operation from 1,2,3,4:"))

if(operation<=4):

a=int(input("Enter first number:"))

b=int(input("Enter second number:"))

if(operation==1):

print(a,"+",b,"=",a+b)

elif(operation==2):

print(a,"-",b,"=",a-b)

elif(operation==3):

print(a,"*",b,"=",a*b)

elif(operation==4):

print(a,"/",b,"=",a/b)

else:

print("Invalid input.")

b) Temperature conversion tool

```
num=int(input("1 for celsius/2 for farhenheit:\n"))
if(num==1):
    farhenheit=int(input("Enter the temperature in farhenheit:\n"))
    celsius= (farhenheit-32)*5/9
    print("Temperature in celsius:",celsius)
if(num==2):
    celsius = int(input("Enter the Temperature in Celsius :\n"))
    fahrenheit = (1.8 * celsius) + 32
    print("Temperature in Fahrenheit :", fahrenheit)
```