M-15
Simple Programs related with Arithmetic Calculations

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1. Write a program to convert temperature in degree celsius 2 degree fahrenheit Hint:

Hint: $T({}^0F) = T({}^0C) \times 9/5 + 32$

```
#program to convert temperature in degree Celsius to
Fahrenheit
c=float(input("Enter the temperature in Celsius"))
F=c*9/5+32
print("Temperature in Fahrenheit=",F)
```

Output
Enter the temperature in celcius37
Temperature in Fahrenheit= 98.6

2. Write a program to calculate the amount payable if money has been lent on simple interest principal or Money lent =P, Rate of interest=R% per annum, Time= T years

Then simple interest SI=PX R X T/100

Amount payable= Principal+ SI

```python
#program to Calculate Amount Payable
P=int(input("Input Principal Ampunt"))
R=int(input("Input Rate of Interest"))
T=int(input("Input Time in Years"))
SI=P*R*T
AP=P+SI
print("Amount payable=",AP)
```

OUTPUT
Input Principal Ampunt1000
Input Rate of Interest10
Input Time in Years2
Amount payable= 21000

3. Write a program to swap two numbers without using a third variable

#program to Swap the ciontents of two variables without using the third variable

A=int(input("Input a Number"))

B=int(input("Input a Number"))

print("Before swapping","A=",A,"b=",B)

A=A+B

B=A-B

A=A-B

print("After swapping","A=",A,"b=",B)

Output
Input a Number10
Input a Number20
Before swapping A= 10 b= 20
After swapping A= 20 b= 10

Thanks....