```
RATE1 = 0.10
RATE2 = 0.25
RATE1 SINGLE LIMIT = 32000.0
RATE1 MARRIED LIMIT = 64000.0
income = float(input(" enter your income "))
maritalStatus = input("Enter s for single, m for married : ")
tax1 = 0
tax2 = 0
if maritalStatus == "s" :
else :
        tax1 = RATE1 * income
totalTax = tax1 + tax2
print(" The tax is ", totalTax)
```

## **OUTPUT:**

Enter your income: 57000

Enter s for single, m for married : s

The tax is 9450.0

Enter your income: 57000

Enter s for single, m for married : m

The tax is 5700.0

```
interest_rate = int(input("Enter the interest rate : "))
print()
initial_investment = float(input("Enter the initial investment : "))
total = initial_investment
double = 2 * initial_investment
years = 0
while total < double:
    total += total * interest_rate
years +=1
print(f"Investment will take {years} years to double")</pre>
```

## **OUTPUT**:

Enter the interest rate: 5

Enter the initial investment : 1000 Investment will take 1 years to double