

Program 1:

```
num=int(input())
if num%3==0 and num%5==0:
    print("Divisible by both")
elif num%3==0:
    print("Divisible by 3")
elif num%5==0:
    print("Divisible by 5")
else:
    print("enter another number")
```

program 2:

```
bill=int(input())
if bill>400:
    tax=(6.57/100)*bill
    tot=bill+tax
    tip=(10/100)*tot
    print(int(bill))
    print(int(tax))
    print(int(tip))
    print(int(tot))
```

program 3:

```
weight=float(input())
height=float(input())
BMI=(weight/height)**2
if BMI<16:
    print("severe thinness")
elif BMI>=16 and BMI<17 :
    print("moderate thinness")
elif BMI>=17 and BMI<18.5:
```

```
    print("mild thinness")
elif BMI>=18.5 and BMI<25:
    print("normal")
elif BMI>=25 and BMI<30:
    print("over weight")
elif BMI>=30 and BMI<35:
    print("obese class I")
elif BMI>=35 and BMI<40:
    print("obese class II")
elif BMI>40:
    print("obese class III")
```