

ข้อ 1

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...
1
2  #ข้อ1
3  num = int(input("Enter x: "))
4  if num % 5 == 0:
5      print(num, "is divisible by 5") #หารด้วย 5 ลงตัว
6  else:
7      print(num, "is not divisible by 5") #หารด้วย 5 ไม่ลงตัว
8
9

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Windows PowerShell
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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Enter x: 10
10 is divisible by 5
PS C:\Users\USER> 
```

ข้อ 2

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...
10
11  #ข้อ2
12  x = int(input("Enter x: "))
13  if 80 <= x <= 100:
14      print('G') #Good
15  elif 50 <= x < 80:
16      print('P') #PAss
17  elif 0 <= x < 50:
18      print('F') #Fail
19  else:
20      print('Error')
21
22

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe e:
Enter x: 60
P
PS C:\Users\USER> 
```

ข้อ 3

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

24 #ข้อ3
25 m_score = int(input("Enter midterm: "))
26 f_score = int(input("Enter final: "))
27 h_score = int(input("Enter homework: "))
28 x = m_score*0.4 + f_score*0.5 + h_score
29 if x < 0 or x > 100:
30     print('Error')
31 elif 90 <= x <= 100:
32     print('A')
33 elif 85 <= x <= 90:
34     print('B+')
35 elif 80 <= x < 85:
36     print('B')
37 elif 70 <= x < 80:
38     print('C+')
39 elif 60 <= x < 70:
40     print('C')
41 elif 55 <= x < 60:
42     print('D+')
43 elif 50 <= x < 55:
44     print('D')
45 else:
46     x < 50
47     print('F')
48

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Enter midterm: 50
Enter final: 50
Enter homework: 50
A
PS C:\Users\USER>
```

ข้อ 4

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

50
51 #ข้อ4
52 x = int(input("Enter x: "))
53 y = int(input("Enter y: "))
54 if x > y:
55     print("Maximum is:",x)
56 else:
57     y > x
58     print("Maximum is:",y)
59
60

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Enter x: 10
Enter y: 35
Maximum is: 35
PS C:\Users\USER>
```

ข้อ 5

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

62  #ข้อ5
63  a = int(input("Enter a: "))
64  b = int(input("Enter b: "))
65  c = int(input("Enter c: "))
66  if a > b and a > c:
67      if b > c:
68          print("ค่ากลาง=",b)
69      else:
70          print("ค่ากลาง=",c)
71  if b > a and b > c:
72      if a > c:
73          print("ค่ากลาง=",a)
74      else:
75          print("ค่ากลาง=",c)
76  if c > a and c > b:
77      if a > b:
78          print("ค่ากลาง=",a)
79      else:
80          print("ค่ากลาง=",b)
81  --

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Enter a: 40
Enter b: 50
Enter c: 60
ค่ากลาง= 50
PS C:\Users\USER> |
```

ข้อ 6

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

83
84  #ข้อ6
85  age = int(input("Enter your age: "))
86  if age < 0:
87      print("error")
88  if 0 <= age <= 10 :
89      print("Children")
90  if 11 <= age <= 20 :
91      print("Teenage")
92  if 21 <= age <= 35 :
93      print("Adult")
94  if 36 <= age <= 55 :
95      print("Middle age")
96  if age >= 56:
97      print("Old age")
98  --

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Enter your age: 22
Adult
PS C:\Users\USER> |
```

ข้อ 7

```

64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

101  #ข้อ7
102  x = int(input("Select 1(Rectangle) or Select 2(Triangle): "))
103  if x == 1:
104      r = input("width,leght: ")
105      r1,r2 = r.split(",")
106      r3 = int(r1) * int(r2)
107      print("Rectangle Area = ", r3)
108  elif x == 2:
109      t = input("base,height: ")
110      t1,t2 = t.split(",")
111      t3 = 0.5 * int(t1) * int(t2)
112      print("Triangle Area = ", t3)
113

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Select 1(Rectangle) or Select 2(Triangle): 1
width,leght: 5,10
Rectangle Area =  50
PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Select 1(Rectangle) or Select 2(Triangle): 2
base,height: 10,15
Triangle Area =  75.0
PS C:\Users\USER>

```

ข้อ 8

```

64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

116  #ข้อ8 วน
117  x = int(input("Enter month: "))
118  a = x-1
119  monthlist = ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun', 'Jul', 'Aug', 'Sep', 'Oct', 'Nov', 'Dec']
120  if 0 < x <= 12:
121      print('Month: ', monthlist[a])
122  else:
123      print('error')
124
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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe e:/Prog_Fund/Visual_Studio_File/64015031_lab2.py
Enter month: 9
Month: Sep
PS C:\Users\USER>

```

ข้อ 9

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...
127 #ข้อ9
128 n = int(input("Enter an integer N: "))
129 if n >= 0:
130     n = n%10
131 else:
132     n = -n %10
133 NList = ['Zero', 'One', 'Two', 'Three', 'Four', 'Five', 'Six', 'Seven', 'Eight', 'Nine']
134 print(NList[n])
135 ...

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe e:/Prog_Fund/Visual_Studio_File/64015031_lab2.py
Enter an integer N: 512
Two
PS C:\Users\USER>
```

ข้อ 10

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...
138 #ข้อ10
139 years = int(input("Enter year: "))
140 if years % 400 == 0:
141     print("Leap year")
142 elif years % 100 == 0:
143     print("Don't Leap year")
144 elif years % 4 == 0:
145     print("Leap year")
146 ...

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe e:/Prog_Fund/Visual_Studio_File/64015031_lab2.py
Enter year: 2000
Leap year
PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe e:/Prog_Fund/Visual_Studio_File/64015031_lab2.py
Enter year: 1900
Don't Leap year
PS C:\Users\USER>
```


ข้อ 11

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

148
149 #ข้อ11
150 a1,a2,a3,a4,a5 = [int(e) for e in input("Enter: ").split()]
151 s = 0
152 if a1 < a2 < a3 < a4 < a5:
153     print("True")
154 else:
155     print("False")
156
```

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe
Enter: 2 4 6 8 10
True
PS C:\Users\USER> █

ข้อ 12

```
64015031_lab2.py X
E: > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

158
159 #ข้อ12
160 a1,a2,a3,a4 = [int(e) for e in input("Enter 4 number: ").split()]
161 list = [a1,a2,a3,a4]
162 max = max(list)
163 min = min(list)
164 t = sum(list)-(max+min)
165 print(t)
166
167
```

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe e:/f
Enter 4 number: 5 10 15 20
25
PS C:\Users\USER> █

64015031_lab2.py

E > Prog_Fund > Visual_Studio_File > 64015031_lab2.py > ...

```

169 #info13
170 a = False
171 b = False
172 print("\n Pizza small size 99 THB\n Pizza Medium size 199 THB\n Pizza Large size 299 THB")
173 size = input("Please select size: ")
174 if size == "1":
175     Cheese = input("Pizza small size add cheese 20 THB Y/N: ").upper()
176     Extra = input("Do you want Extra too? Add money 20 THB Y/N: ").upper()
177     total = 99
178     if Cheese in "Y":
179         total = 99 + 20
180     elif Cheese in "N":
181         total = total
182     elif Cheese not in "YN":
183         a = True
184     if Extra in "Y":
185         total += 20
186     elif Extra in "N":
187         total = total
188     elif Extra not in "YN":
189         b = True
190
191 elif size == "2":
192     Cheese = input("Pizza Medium size add cheese 30 THB Y/N: ").upper()
193     Extra = input("Do you want Extra too? Add money 20 THB Y/N: ").upper()
194     total = 199
195     if Cheese in "Y":
196         total = 199 + 30
197     elif Cheese in "N":
198         total = total
199     elif Cheese not in "YN":
200         a = True
201     if Extra in "Y" :
202         total += 20
203     elif Extra in "N":
204         total = total
205     elif Cheese not in "YN" or Extra not in "YN":
206         b = True
207
208 elif size == "3":
209     Cheese = input("Pizza Large size add cheese 40 THB Y/N: ").upper()
210     Extra = input("Do you want Extra too? Add money 20 THB Y/N: ").upper()
211     total = 299
212     if Cheese in "Y":
213         total = 299 + 40
214     elif Cheese in "N":
215         total = total
216     elif Cheese not in "YN":
217         a = True
218     if Extra in "Y" :
219         total += 20
220     elif Extra in "N":
221         total = total
222     elif Cheese not in "YN" or Extra not in "YN":
223         b = True
224
225 else:
226     total = "error"
227 if a or b:
228     total = "error"
229 print(f"total = {total}")
230

```

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PS C:\Users\USER> & C:/Users/USER/AppData/Local/Programs/Python/Python39/python.exe e:

Pizza small size 99 THB

Pizza Medium size 199 THB

Pizza Large size 299 THB

Please select size: 2

Pizza Medium size add cheese 30 THB Y/N: y

Do you want Extra too? Add money 20 THB Y/N: n

total = 229

PS C:\Users\USER> █