



NOC2023初赛小高组

1 根据冯·诺依曼体系结构，以下哪个不是计算机的五大基本组成部分()

- A. 输入设备 B. 输出设备 C. 电池 D. 存储器

2 在Python中，变量的值可以是什么()

- A. 数字 B. 字符串 C. 布尔值 D. 以上全部正确

3 请问运行下面程序后，会输出多少只熊()

```
bears=["棕熊","北极熊","眼镜熊","亚洲黑熊","印度熊","懒熊","马来熊"]
```

```
for b in bears:
```

```
    print(b)
```

- A. 7 B. 6 C. 5 D. 4

4 阅读下面程序，假设键盘输入3,正确的输出是()

```
a = input ( )
```

```
str(a)
```

```
int(a)
```

```
print ( a + a )
```

- A. 6 B. 33 C. 3 + 3 D. a + a

5 想要找出prices列表中的最大值，阅读下面代码，横线处应该补充的正确代码是()

```
prices = [61, 80, 25, 89, 36, 41, 73, 57, 10]
```

```
m = 0
```

```
for p in prices:
```



```
if _____ :
```

```
    m = p
```

```
print(m)
```

A. $p < m$

B. $p > m$

C. $p == m$

D. $p != m$

6 已知 $ls = [3, 5, 5, 20, 5, 25]$, 那么依次执行语句 $ls.pop(1)$ 、 $ls.pop(4)$ 后, 列表中元素 20 的索引是()

A. 1

B. 2

C. 3

D. 4

7 在 Python 中, 使用什么函数可以获取用户的输入()

A. `input()`

B. `print()`

C. `get()`

D. `write()`

8 阅读下面代码, 正确的输出是()

```
print ( 1 + 2 == 3 )
```

A. Yes

B. No

C. True

D. False

9 阅读下面代码, 海龟绘制结束后将会显示的画面是()

```
import turtle
```

```
colors = ['pink', 'orange', 'blue', 'green']
```

```
for i in range(10, 100, 5):
```

```
    turtle.color(colors[i% len(colors)])
```

```
    turtle.forward(i)
```

```
    turtle.left(72)
```



A.

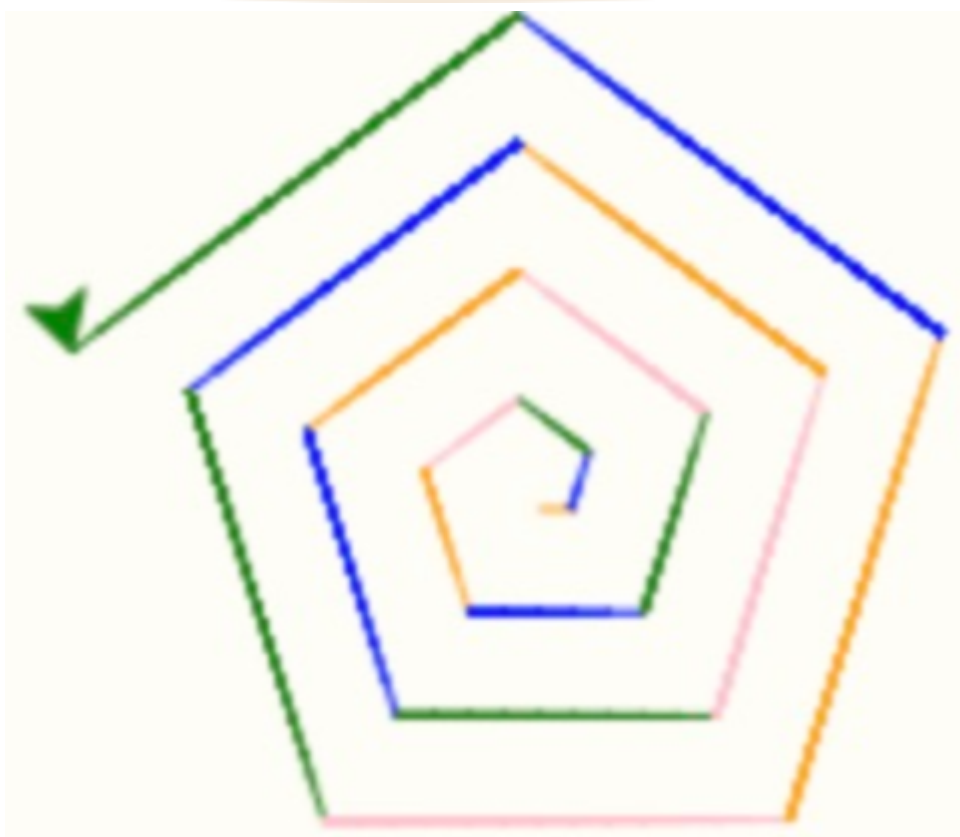


B.





C.



D.



10 阅读下面代码，假设键盘输入5,正确的输出是()

```
age = int ( input ( "请输入你的年龄:"))
```



```
if age > 10:  
    print("你已经是大朋友啦")  
else:  
    print("你还是个小朋友哦")
```

- A. 你已经是大朋友啦 B. 你还是个小朋友哦 C. 程序报错 D. 什么也不会输出

11 阅读下面代码，请问会执行几次输出语句()

```
a = 2  
b = 3  
while a * b < 20 and a % 2 == 0:  
    print(a)  
    a = a + 1
```

- A. 1 B. 2 C. 3 D. 4

12 已知字典name_dic中存储了每人的名字与身高:

```
name_dic={'阿明':120,'小丽':110,'阿珍':135,'阿强':150}
```

下面哪个程序可以仅输出字典中的所有身高()

- A. for n in name_dic:
 print(n)
- B. print(name_dic)
- C. for n in range(len(name_dic)):
 print(name_dic[n])
- D. for n in name_dic:
 print(name_dic[n])

13 阅读下面代码，正确的输出是()



```
ls = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]
```

```
for i in range(100):
```

```
    if i * i in ls:
```

```
        ls.append(i)
```

```
    if ls.count(i) == 2:
```

```
        ls.remove(i)
```

```
print(ls)
```

A. [1,4,9]

B. [4,5,6,7,8,9,10,11,12,13,14,15,1,2,3]

C. [5,6,7,8,9,10,11,12,13,14,15,1,2,3,4]

D. [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,1,2,3]

14 阅读下面代码，正确的输出是()

```
i = 2
```

```
while True:
```

```
    if i % 3 == 0:
```

```
        break
```

```
    print(i, end=' ')
```

```
    i += 2
```

A. 2 4 6 8 10.....

B. 2 4

C. 2 3

D. Error

15 请问下列表达式中，结果为True的是()

A. '2' == 2 or '10' == '10.0'

B. 6.0 not in [2,3,4,5,6] and 'n' in 'noc'

C. 0 == True or 1 != True

D. 3.0 == 3 or not 0 < 0.5 and 3 >= 3



16 下列选项中的程序，运行后不可能会输出1的是()

- | | |
|--|---|
| A. import random
print(random.randint(1, 10)) | B. import random
print(random.choice([0,2])) |
| C. import random
print(int(random.uniform(1,10))) | D. import random
print(random.randint(0, 1) + 1) |

17 阅读下面代码，正确的输出是()

```
tot = 0
cnt = 10
j = 1
while tot < 10:
    for i in range(j):
        cnt += 1
    tot += i
    j += 1
print(cnt)
```

- A. 15 B. 28 C. 21 D. 25

18 阅读下面代码，正确的输出是()

```
ls = [1, 2, 3]
x = ls.index(2)
ls *= x
ls += [x]
print(ls)
```

- A. [1,2,3] B. [1,2,3,1] C. [1,2,3,2] D. [1,2,3,1,2,3,1]



19 阅读下面代码，正确的输出是()

```
x = ['ab', 'cd']  
for i in x:  
    x.append(i.upper())  
print(x)
```

- A. ['AB','CD']
B. ['ab', 'cd','AB','CD']
C. ['ab','cd']
D. 死循环

20 已知下面代码最后的输出结果为【20 40】，那么横线处应该分别填写()

```
a = 10  
b = 30  
def test_1():  
    global ①  
    a = 10  
    b += a  
def test_2():  
    global ②  
    a = 20  
    b = 10  
    test_1()  
test_2()  
print(a, b)
```

- A. ①b②a
B. ①a②b
C. ①a, b②a
D. ①b②a, b



```
import random
```

```
a = random.randint(2, 10)
```

```
print(a)
```

- A. 2 B. 6 C. 10 D. 11

28 阅读下面代码，请问输出的列表中包含哪些元素？

```
Is = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h']
```

```
for i in range(2):
```

```
    Is.pop(i)
```

```
print(Is)
```

- A. 'a' B. 'd' C. 'g' D. 'h'

29 已知字符串s = '2023noc',选项中哪些可以输出'3noc'?

- A. print(s[3:]) B. print(s[-4:-1]) C. print(s[-4:]) D. print(s[3:-1])

30 已知:

```
a = 10
```

```
Is = [ 1 , 10 , 100 ]
```

请问下列选项中，逻辑运算结果为True的是:

- A. not a not in Is B. a in Is C. not a in Is D. a not in Is

31 使用下面代码，要逆时针绘制一个半径为40的圆,x应该是多少 _____。

```
import turtle
```

```
turtle.circle(x)
```

32 阅读下面代码，正确的输出是 _____。



```
ls = [23, 66, 29, 22, 55, 12, 13, 10]
new_ls1 = []
new_ls2 = []
for n in ls:
    if n % 2 != 0:
        new_ls2.append(n)
    else:
        new_ls1.append(n)
print(new_ls1[0])
```

33 print (3 + 7 // 2)的输出结果是 _____ 。

34 阅读下面代码，想要使total输出结果为6,total的初始值应该是 _____ 。

```
total =?
for i in range(4):
    total += i
print("The sum is:", total)
```

35 阅读下面代码，会输出 _____ 行字符串。

```
for i in range(4):
    for j in range(2):
        print('Python', end=' ')
    print()
```



36 阅读下面代码，正确的输出是 _____。

```
p = 3.1415926  
print(int(p))
```

37 下面列表中存放了几位同学的身高数据:

```
height = [123,125.2,130.1,125.7,128,123.7]
```

使用下面代码遍历列表并输出，请问输出的第一个结果为 _____。

```
for h in height:  
    print(float(h))
```

38 Python中第三方库导入的关键字是 _____。

39 阅读下面代码，正确的输出是 _____。

```
def f(n):  
    if n <= 2:  
        return n  
    return f(n - 1) * 2 - f(n - 2) + n  
print(f(6))
```

40 已知:

N = 2023

O = 21

C='软件创意编程'

那么，表达式 $N > O$ or $N == N - O$ and $C != 32$ 的判断结果是 _____。（请填写布尔值）

