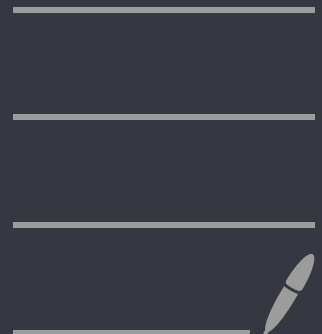# CPT105CW2

**CW2 is MCQ based quiz. Additionally, this is a friendly reminder that the CW2 test is an open-book test. You MUST bring your laptop and necessary materials, and you can utilize IntelliJ IDEA to run Java code.**

# 题组一：

**Question 1**

Not yet
answered

Marked out of
5.00

⚐ Flag question

According to the code fragment below, which option's return value is -1?

```java
public static int checkStr(String str1, String str2) {
        int n = str1.length(), m = str2.length();
        for (int i = 0; i + m <= n; i++) {
            boolean flag = true;
            for (int j = 0; j < m; j++) {
                if (str1.charAt(i + j) != str2.charAt(j)) {
                    flag = false;
                    break;
                }
            }
            if (flag) return i;
        }
        return -1;
}
```

○ A.  checkStr("abcdef", "bcd")

○ B.  checkStr("abcdef", "cde")

○ C.  checkStr("abcdef", "acd")

○ D.  checkStr("abcdef", "abcd")

**Question 2**

Not yet
answered

Marked out of
5.00

⚐ Flag question

How do you call a method without parameters in Java?

○ A.  methodName[];

○ B.  methodName;

○ C.  methodName();

○ D.  (methodName);

**Question 3**

Not yet
answered

Marked out of
5.00

⚐ Flag question

In Java, we must end the following with a semicolon.

- ○ A.  A block

- ○ B.  A function

- ○ C.  An expression

- ○ D.  A statement

**Question 4**

Not yet
answered

Marked out of
5.00

⚐ Flag question

Select the line number of the class MyDate above that corresponds to instance method:

```
1    public class MyDate
2    {
3        public String month;
4        public int day;
5        public int year;

6        public MyDate(String month, int day, int year) {
7            this.month = month;
8            this.day = day;
9            this.year = year;
10       }

11       public void printDate()
12       {
13           System.out.println(month + " " + day + ", " + year);
14       }
15 }
```

- ○ A.  Line 3-5

- ○ B.  Line 11-14

- ○ C.  Line 6-10

- ○ D.  Line 7-9

**Question 5**

Not yet answered

Marked out of 5.00

⚑ Flag question

Select the line number of the class MyDate above that corresponds to instance variable?

```
1    public class MyDate
2    {
3          public String month;
4          public int day;
5          public int year;

6          public MyDate(String month, int day, int year) {
7                this.month = month;
8                this.day = day;
9                this.year = year;
10       }

11         public void printDate()
12         {
13               System.out.println(month + " " + day + ", " + year);
14       }
15 }
```

○ A.  Line 6-10

○ B.  Line 3-5

○ C.  Lin 7-9

○ D.  Line 11-14

**Question 6**

Not yet
answered

Marked out of
5.00

⚑ Flag question

Select the line number(s) of the class MyDate above that corresponds to constructor:

```
1    public class MyDate
2    {
3         public String month;
4         public int day;
5         public int year;

6         public MyDate(String month, int day, int year) {
7              this.month = month;
8              this.day = day;
9              this.year = year;
10        }

11
12
13
14
15 }
```

○ A

○ B

○ C.   Line 11-14

○ D.   Line 1

---

**Question 7**

Not yet
answered

Marked out of
5.00

⚑ Flag question

The following expression results in 5 when it gets printed.

○ A.   2 / 3 + 4

○ B.   20 / 2 + 2

○ C.   3 + 5 / 2

○ D.   7 + 3 / 2

**Question 8**

Not yet
answered

Marked out of
5.00

⚑ Flag question

The following is not a Boolean operator.

○ A.  !

○ B.  ||

○ C.  &&

● D.  //

[ Clear my choice ]

**Question 9**

Not yet
answered

Marked out of
5.00

⚑ Flag question

The following operation is executed when the plus operator is given two strings.

○ A.  Addition

○ B.  Deletion

○ C.  Concatenation

○ D.  Subtraction

**Question 10**

Not yet answered

Marked out of 5.00

Flag question

The IDE (such as IntelliJ IDEA, NetBeans, Eclipse) will mark your code with an underline whenever the following type of error exists in your code.

Select one:

○ A.  Compile error

○ B.  Logical error

○ C.  Program error

○ D.  Runtime error

**Question 11**

Not yet answered

Marked out of 5.00

Flag question

To improve the code using object-oriented principle of encapsulation, select the line that should be declared as private:

```
1    public class MyDate
2    {
3         public String month;
4         public int day;
5         public int year;

6         public MyDate(String month, int day, int year) {
7              this.month = month;
8              this.day = day;
9              this.year = year;
10        }

11        public void printDate()
12        {
13             System.out.println(month + " " + day + ", " + year);
14        }
15 }
```

○ A.  Line 3-5

○ B.  Line 1

○ C.  Line 11

○ D.  Line 6

**Question 12**

Not yet answered

Marked out of 5.00

⚑ Flag question

What is the correct way to create an object called myObj of MyClass?

○ A.  class MyClass = new MyObj();

○ B.  class myObj = new MyClass();

○ C.  new myObj = MyClass();

○ D.  MyClass myObj = new MyClass();

Question 13:     $(11 + 8*3)/4 \% 3 = (\quad)$

    A. 31        B. 0        C. 1.        D. 2.

**Question 14**

Not yet answered

Marked out of 5.00

⚑ Flag question

What will be the output of the below program?

```
01.   public class Test{
02.
03.   public static void main(String[] args){
04.
05.       String x = "abc";
06.       String y = "cba";
07.
08.       y.concat(x);
09.       System.out.print(y);
10.
11.   }
12.
13.   }
```

○ A.  cba

○ B.  abccba

○ C.  cbaabc

○ D.  abc

**Question 15**

Not yet
answered

Marked out of
5.00

⚑ Flag question

Which is not the overloading of the display method?

```
private static void display(int a){
        System.out.println("Arguments: " + a);
    }
```

○ A.  private static void display(String a)

○ B.  private static void display(int a, int b)

○ C.  private static void display(int a, int b,int c)

○ D.  private static int display(int a)

**Question 16**

Not yet
answered

Marked out of
5.00

⚑ Flag question

Which is the output of the following codes?

```
public static int negate(int a) {
    a = -a;
    return a;
}
public static void main(String[] args) {
    int a = 5;
    System.out.print(a);
    a = negate(a);
    System.out.print(a);
}
```

○ A.  55

○ B.  -5-5

○ C.  -55

● D.  5-5

**Question 17**

Not yet
answered

Marked out of
5.00

⚐ Flag question

Which keywrod is used to create a new instance of a class?

○ A.  this

○ B.  new

○ C.  instance

○ D.  object

**Question 18**

Not yet
answered

Marked out of
5.00

⚐ Flag question

Which one of the below is a keyword in Java?

○ A.  escape

○ B.  transfer

○ C.  positive

○ D.  class

**Question 19**

Not yet
answered

Marked out of
5.00

⚐ Flag question

Which one of the following code is not true?

○ A.  int [] values = {2,3.5,4,5}

○ B.  double [] values = {2,3,4,5}

○ C.  int [] values = {2,3,4,5}

○ D.  double [] values = {2,3,4,5}

**Question 20**

Not yet
answered

Marked out of
5.00

⚐ Flag question

Which operator can be used to compare two values?

🔘 A.  = =

◯ B.  =

◯ C.  < >

◯ D.  > <

# 题组二：

**Question 1**

Not yet
answered

Marked out of
5.00

⚐ Flag question

How do we compare two strings in Java whether they they consist of the same characters?

◯ a.  compare() method

◯ b.  = = operator

◯ c.  equals() method

◯ d.  compareTo() method

**Question 2**

Not yet
answered

Marked out of
5.00

⚐ Flag question

How many times will the following loop execute: for (int i = 0; i < 5; i++)?

◯ a.  6

◯ b.  0

◯ c.  5

◯ d.  4

**Question 3**

Not yet answered

Marked out of 5.00

⚑ Flag question

In a for loop, where is the condition checked?

- ○ a. Only at the start of the loop
- ○ b. After the for loop body
- ○ c. Before the for loop body
- ○ d. Only at the end of the loop

**Question 4**

Not yet answered

Marked out of 5.00

⚑ Flag question

Select the correct Java code to convert Fahrenheit (f) in double to Celsius (c).

- ○ a. double c = (f – 32) * 5 / 9;
- ○ b. double c = (f * 5 / 9) – 32;
- ○ c. double c = (f – 32) * (5 / 9);
- ○ d. double c = (f – 32 * 5) / 9;

**Question 5**

Not yet answered

Marked out of 5.00

⚑ Flag question

Select the values of x and y so that the print result is true.

boolean b = (x % 7 == 0) && (y % 8 == 0);

System.out.println(b);

- ○ a. 16 and 56
- ○ b. 14 and 21
- ○ c. 35 and 24
- ○ d. 32 and 48

**Question 6**

Not yet answered

Marked out of 5.00

P Flag question

Suppose a and b are int values. What is the result of the following statements?

int c = a;

b = c;

a = b;

- a. The values in a and b are exchanged.
- b. The values of a, b, and c become 0.
- c. The values of a, b, and c become the value of b.
- d. The values of a, b, and c become the value of a.

**Question 7**

Not yet answered

Marked out of 5.00

P Flag question

What are the main components of a class?

- a. Methods and Attributes
- b. Constructors and Destructors
- c. Attributes and Packages
- d. Objects and References

**Question 8**

Not yet answered

Marked out of 5.00

P Flag question

What is the output of System.out.println("Hello,World".split(",")[1]);?

- a. Hello,World
- b. Hello
- c. World
- d. Hello World

**Question 9**

Not yet
answered

Marked out of
5.00

⚑ Flag question

What is the output of the following program fragment?

```
1.  int count = 0;
2.  for(int i = 0; i <= 10; i = i + 2)
3.      count += i;
4.  System.out.print(count);
```

○ a.  25

○ b.  30

○ c.  1

○ d.  55

**Question 10**

Not yet
answered

Marked out of
5.00

⚑ Flag question

What is the output of the following program fragment?

```
1.  int a = 2;
2.  if (a >= 1)
3.      System.out.print("Statement 1 ");
4.  else if (a >= 2)
5.      System.out.print("Statement 2 ");
6.  else if (a >= 3)
7.      System.out.print("Statement 3 ");
```

○ a.  Statement 1 Statement 2

○ b.  Statement 2

○ c.  Statement 1

○ d.  Statement 3

## Question 11

Not yet
answered

Marked out of
5.00

⚑ Flag question

What is the return value declared on a method that does not return any value to the method caller?

- ○ a.   this
- ○ b.   void
- ○ c.   null
- ○ d.   none

## Question 12

Not yet
answered

Marked out of
5.00

⚑ Flag question

What is the value of b after the execution of the following while loop?

int a = 123456789;

int b = 0;

while (a != 0) {

  b = (10 * b) + (a % 10);

  a = a / 10;

}

- ○ a.   1
- ○ b.   0
- ○ c.   987654321
- ○ d.   123456789

**Question 13**

Not yet answered

Marked out of 5.00

⚑ Flag question

What will be the output of the below program?

```java
1.  public class Test {
2.      public void main(String[] args) {
3.          int x = 5*20-10;
4.          System.out.println(x);
5.      }
6.  }
```

○ a.  Prints 0

○ b.  90

○ c.  Compile-time error.

○ d.  Runtime Error

## Question 14

Not yet answered

Marked out of 5.00

⚑ Flag question

which is the correct position to print new line (System.out.println()) in the following code in order to print the 10*10 matrix as shown below?

```
for (int row = 1; row <= 10; row++){
        ❶
    for (int col = 1; col<= 10; col ++){
        System.out.print(col*row + "\t");
        ❷
    }
    ❸
}
    ❹
```

| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
|----|----|----|----|----|----|----|----|----|-----|
| 2  | 4  | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 20  |
| 3  | 6  | 9  | 12 | 15 | 18 | 21 | 24 | 27 | 30  |
| 4  | 8  | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40  |
| 5  | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50  |
| 6  | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60  |
| 7  | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70  |
| 8  | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80  |
| 9  | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90  |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |

```
BUILD SUCCESSFUL (total time: 2 seconds)
```

○ a.  1

○ b.  4

○ c.  2

○ d.  3

## Question 15

Not yet answered

Marked out of 5.00

⚑ Flag question

Which keyword is used to refer to the current instance of an object within a class?

○ a.  this

○ b.  class

○ c.  object

○ d.  self

Which method can be used to find the length of a string?

○ a.  len()

○ b.  getSize()

○ c.  getLength()

● d.  length()

Clear my choice

**Question 17**

Not yet answered

Marked out of 5.00

⚑ Flag question

Which of the below is correct to output "Hello World" in Java?

○ a.  echo("Hello World");

○ b.  printf("Hello World");

○ c.  Console.WriteLine("Hello World);

○ d.  System.out.println("Hello World");

**Question 18**

Not yet
answered

Marked out of
5.00

Which of the following for loop declaration is not valid?

- a. for ( int i = 0; i <= 100; i += 5 )

- b. for ( int i = 100; i >= 2; - -i )

- c. for ( int i = 0; i <= 100; i = 5* i )

- d. for ( int i = 100; i >= 1; i / 5 )

**Question 19**

Not yet
answered

Marked out of
5.00

Which of the following is the correct COMMENT?

- a. # This is a comment;

- b. // This is a comment;

- c. /* This is a comment;

- d. <- - This is a comment - ->;

**Question 20**

Not yet
answered

Marked out of
5.00

Which of the following method results in a new string that is the first string str1 followed by the second string str2?

- a. str1.combine(str2)

- b. str1.concat(str2)

- c. str1.join(str2)

- d. str1.append(str2)