

Software Engineer Pre-test

Thank you for applying for this position. In this very first stage, you need to answer some of the Pre-Test question below. If you have passed the minimum mark for this Pre-Test, we will contact you for the next stage. Good luck!

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* Indicates required question

Email *

Your email

Full Name *

Your answer

Where did you apply from? *

Your answer

What is the correct print out for this code? *

```
int total = 0;
for (int i = 1; i<=5; i++){
    if((i%2)==0){
        total+=10;
    }else{
        total-=5;
    }
}
System.out.println(total);
```

- ☐ 10
- ☐ 15
- ☐ 5
- ☐ 7
- ☐ 0

What is the correct print out for this code? *

```
int a=2, b=5, c=7;
for(;;){
    if(a>2*b){
        break;
    }
    a+=(c-b);
    b--;
    c++;
}
System.out.println(c-a);
```

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 7
- ☐ 5

What code can be added in line 4 to print out '54321'? *

```
2      {
3          int i = 5;
4          // some code
5          {
6              System.out.print(i);
7              i--;
8          }
9      }
```

- ☐ while(i<0)
- ☒ while(i>0)
- ☐ for(i = 5; i < 0; i--)
- ☐ for(i = 0; i > 0; i--)
- ☐ while(i>=0)

What code can be added in the following function so that it can return a value addition of 2 numbers? *

```
1 public static int countXY(int x, int y)
2 {
3     // some code
4 }
```

- ☐ int count = x+y; count;
- ☐ count = x+y; count;
- ☐ count = x+y; return count;
- ☐ int count = x+y; return count;
- ☐ (x + y);

What is the correct print out for this code? *

```
2      {
3          char[] ch = {'Z','X','C'};
4          char tmp;
5          for(int i=0;i<5;i++){
6              tmp=ch[0];
7              ch[0]=ch[2];
8              ch[1]=tmp;
9              ch[2]=ch[1];
10         }
11         System.out.print(ch);
12     }
```

- ☐ ZXC
- ☐ XZC
- ☐ CXZ
- ☐ XXC
- ☐ CZZ

What is the correct print out for this code? *

```
public static void main(String[] args) {
    int[] amount = {0,0,0,0,0,0,0,0};
    int[] numbers = {1,2,3,4,2,9,3};
    for(int i = 0; i < numbers.length; i++){
        amount[numbers[i]]++;
    }
    System.out.println(amount[1]);
}
```

- ☐ 1
- ☐ 3
- ☐ 9
- ☐ 2
- ☐ 4

What is the correct query for all column for a city with the ID = M16ID? *

CITY	
Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

- ☐ select * from city where ID(M16ID);
- ☐ select ID from city where NAME=M16ID;
- ☐ select ID from city where ID=M16ID;
- ☐ select NAME from city where ID=M16ID;
- ☐ select * from city where ID=M16ID;

What is the correct query for the total population of all cities in CITY where District is Surabaya? *

CITY	
Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

- ☐ select sum(DISTRICT) from CITY where district = 'Surabaya';
- ☐ select sum(POPULATION) from CITY where district = 'Surabaya';
- ☐ select POPULATION from CITY where district = 'Surabaya';
- ☐ select sum(population) from CITY where CITY = 'Surabaya';
- ☐ There is no correct answer on the given choice

Given the incomplete query below. What is the correct query on line 1, 2, 3 so that it will return the sum of the populations of all cities where the CONTINENT is 'Europe'. ? *

THE INCOMPLETE QUERY

```
1  -----
2  from -----
3  join -----
4  where CONTINENT = 'Europe'
```

THE TABLES

COUNTRY		CITY	
Field	Type	Field	Type
CODE	VARCHAR2(3)	ID	NUMBER
NAME	VARCHAR2(44)	NAME	VARCHAR2(17)
CONTINENT	VARCHAR2(13)	COUNTRYCODE	VARCHAR2(3)
REGION	VARCHAR2(25)	DISTRICT	VARCHAR2(20)
SURFACEAREA	NUMBER	POPULATION	NUMBER
INDEPYEAR	VARCHAR2(5)		
POPULATION	NUMBER		
LIFEEXPECTANCY	VARCHAR2(4)		
GDP	NUMBER		
GDPOLD	VARCHAR2(9)		
LOCALNAME	VARCHAR2(44)		
GOVERNMENTFORM	VARCHAR2(44)		
HEADOFSTATE	VARCHAR2(32)		
CAPITAL	VARCHAR2(4)		
CODE2	VARCHAR2(2)		

- ☐ 1. sum(CITY.COUNTRY); 2. CITY; 3. COUNTRY on CITY.COUNTRYCODE = COUNTRY.CODE
- ☐ 1. count(CITY.POPULATION); 2. COUNTRY; 3. CITY on CITY.COUNTRYCODE = COUNTRY.CODE
- ☐ 1. sum(CITY.POPULATION); 2. CITY; 3. COUNTRY on CITY.COUNTRYCODE = COUNTRY.CODE
- ☐ 1. count(CITY.POPULATION); 2. CITY; 3. COUNTRY on CITY.COUNTRYCODE = COUNTRY.CODE
- ☐ 1. sum(CITY.POPULATION); 2. CITY; 3. COUNTRY on CITY.CODE = COUNTRY.COUNTRYCODE

What is the correct code to fill the blank (____) on line 19 so it will print out 25? *

```
1 class Square
2 {
3     private int side;
4
5     public void setSide(int s){
6         this.side = s;
7     }
8
9     public int getArea(){
10        return this.side*this.side;
11    }
12 }
13
14 class Main
15 {
16     public static void main (String[] args) throws java.lang.Exception
17     {
18         int side = 5;
19         Square sq = new _____;
20         sq.setSide(side);
21         System.out.print(sq.getArea());
22     }
23 }
```

- ☐ main()
- ☐ side()
- ☐ setSide()
- ☐ getArea()
- ☒ Square()

What is the correct print out for this code? *

```
1 class Pesawat{
2     private int kecepatan, panjang;
3     public Pesawat(int kecepatan, int panjang){
4         this.kecepatan = kecepatan;
5         this.panjang = panjang;
6     }
7
8     public int jarak(int detik){
9         return detik * this.kecepatan;
10    }
11
12    public void setKecepatan(intn kecepatan){
13        this.kecepatan = kecepatan;
14    }
15
16    public void panjang(){
17        System.out.println(this.panjang);
18    }
19 }
20
21 public class App {
22
23     public static void main(String[] args) {
24         Pesawat boeing = new Pesawat(500, 100);
25         boeing.setKecepatan(100);
26         System.out.println(boeing.jarak(5));
27     }
28 }
29 }
```

- ☐ 1000
- ☐ 500
- ☐ 100
- ☐ 5000
- ☐ 20

What is the print out if the input is 'AB' for the following code? *

```
public class App {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        String first = scan.nextLine();
        if(first.charAt(0) == 'A'){
            System.out.print("A ");
            if(first.charAt(1) == 'B'){
                System.out.print("B");
            }
        } else if(first.charAt(0) == 'B'){
            System.out.print("B ");
            if(first.charAt(1) == 'C'){
                System.out.print("C");
            }
        } else if(first == "AB"){
            System.out.print("AB");
        } else {
            System.out.print("-");
        }
        scan.close();
    }
}
```

- ☐ A B
- ☐ AB
- ☐ A
- ☐ B A
- ☐ BA

Your Expected Salary *

Your answer

Submit

Clear form