Online Test Window

tests.mettl.com/test-window-api?ecc=ASD%2B4fKi12CQNh3pIBeEu3xzZj9%2BCYgSKaggpTKzIpk%3D&showReg=true&showInst=true#/testWindow/0/0/1

Apps | Ananda | | Ananda | | Portfolio | CDC List | schedule | Other bookmarks

ABInBev

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Section 00:24:47

Finish Test

Section 1 of 3 Aptitude

1 2 3 4 5 6 7 8 9 10 11 < 1 of 25 > All 25

Question # 1 Revisit

An MBA aspirant leaves his job where he had an annual salary of $14,000 and took admission in one-year course in a top MBA institute having fees $36,000. At the end of the course, he lands up with another job where his salary is $68,000. What is his return on investment after one year of the job?

Choose the best option

- 2.5%
- 12%
- 36%
- 6.25%

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Next Question

ENG 16:24

Question # 5 Revisit

In a cosmopolitan club, there are three groups, Golden, Silver, and Diamond. While members of the Golden group are truthful, members of the Silver group are liars, and each member of the Diamond group is an alternator (who alternates among truth and lies in any order). Adam, Billy, Cam, and David, who are members of different groups of the club, work as Advocate, Doctor, Pilot, and Engineer, not necessarily in the same order. They made the following statements when asked about their categories and profession.

Adam: Exactly two of us are truthful. I am an Advocate. The Doctor is an alternator.
Billy: I am an alternator. I am an Engineer. Cam is a liar.
Cam: I am truthful. I am a Doctor. David is a Pilot.
David: Exactly two of us are liars. I am a Doctor. Billy is an Advocate.

If Cam is not a liar, who is the Advocate?

Choose the best option

- Billy
- Cam
- David
- Adam

Online Test Window

tests.mettl.com/test-window-api?ecc=ASD%2B4fKi12CQNh3pIBeEu3xzZj9%2BCYgSKaggpTKzIpk%3D&showReg=true&showInst=true#/testWindow/0/5/1

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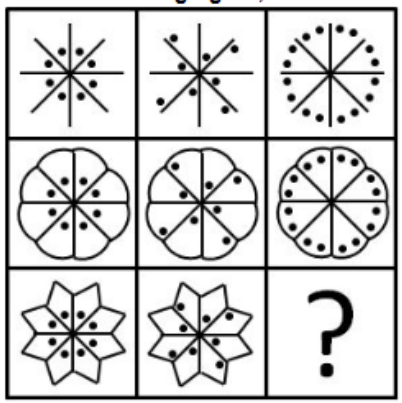
1 2 3 4 5 6 7 8 9 10 11 < 6 of 25 > All 5 20

Question # 6 Revisit

Find the missing figure, which follows the same pattern/rule and mark it as the answer.



Choose the best option

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Prev Question Next Question

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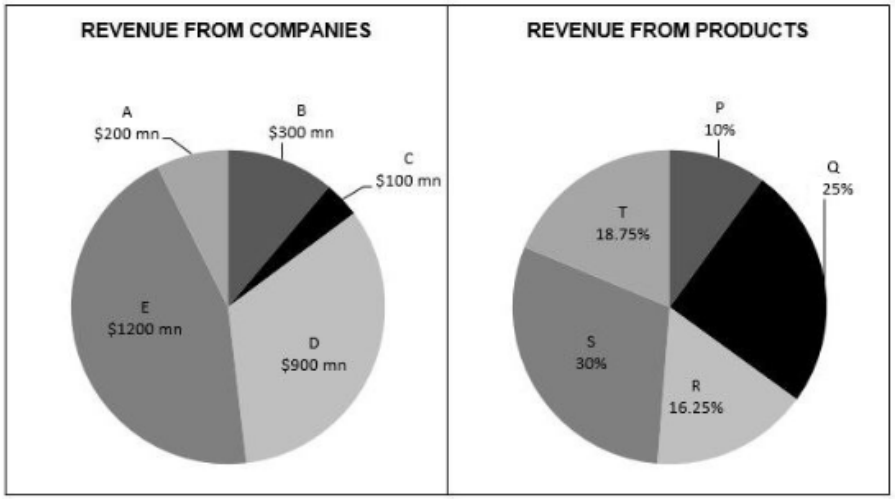
conglomerate. Again, one of the products, U, generating 20% of the total revenue of the conglomerate has been left out.



If company E deals only in products Q and S, and each of the other companies has at least 10% contribution to product Q, what is the maximum percentage of revenue contributed by any company in product Q?

Choose the best option

- 44%
- 28%
- 80%
- 52%

Question # 11 Revisit

Six people are seated in a straight line. Ana is seated to the right of Sam and to the left of Maria. Neither Sam nor Maria are seated at any extremes. Garcia and Aldrin are seated to the left of Sam. How many such seating arrangements are possible?

Choose the best option

- 3
- 5
- 4
- 2

Clear Response

Question # 1 Revisit

Which of the following code snippets will compile and demonstrate runtime polymorphism?

Choose the best option

```
class Y { protected void methodA(int num){} }
class X extends Y {
void methodA(int num1, int num2){}
}
class Test() {
public static void main(String[] args){
X x = new X();
x.methodA(1);
x.methodA(1,2);
}
}
```

```
class Y { protected void methodA(int num){System.out.println
("methodA: in base");} }
class X extends Y {
protected void methodA(int num){System.out.println ("methodA: in
child");}
void methodA(int num1, int num2){}
}
```

Question # 1 Revisit

Which of the following code snippets will compile and demonstrate runtime polymorphism?

```
class Y { protected void methodA(int num){System.out.println
("methodA: in base");} }
class X extends Y {
protected void methodA(int num){System.out.println ("methodA: in
child");}
void methodA(int num1, int num2){}
}
class Test() {
public static void main(String[] args) {
X x = new X();
x.methodA(1);
}
}
```

```
class Y { protected void methodA(int num){System.out.println
("methodA: in base");} }
class X extends Y {
protected void methodA(int num){System.out.println ("methodA: in
child");}
void methodA(int num1, int num2){}
}
```

Question # 1 Revisit

Which of the following code snippets will compile and demonstrate runtime polymorphism?

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void methodA(int num1, int num2){}
}
class Test() {
public static void main(String[] args) {
Y x = new X();
x.methodA(1);
}
}
```

```
class Y {protected void methodA(int num){System.out.println
("methodA: in base");} }
class X extends Y {
protected void methodA(int num){System.out.println ("methodA: in
child");}
void methodA(int num1, int num2){}
```

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Finish Test

Section 2 of 3 Technical Sk

1 2 3 4 5 6 7 8 9 10 < 1 of 10 > All 6 4

Question # 1 Revisit

Which of the following code snippets will compile and demonstrate runtime polymorphism?

```
public static void main(String[] args) {
Y x = new X();
x.methodA(1);
}
}
```

```
class Y {protected void methodA(int num){System.out.println
("methodA: in base");} }
class X extends Y {
protected void methodA(int num){System.out.println ("methodA: in
child");}
void methodA(int num1, int num2){}
}
class Test() {
public static void main(String[] args) {
X x = new Y();
x.methodA(1);
}
}
```

Clear Response

Next Question

Question # 2 Revisit

Following code is which type of polymorphism

```
class A{
  //Some Statements
}
class B extends A{
  //Some Statements
}
class C extends B{
  //Some Statements
}

public class D{
  public static void main(String[] args){
    A a = new A();
    a = new B();
    a = new C();
  }
}
```

Choose the best option

- Runtime
- Static
- Both static and Runtime
- It shows behaviour of dynamic binding

Clear Response

Online Test Window

tests.mettl.com/test-window-api?ecc=ASD%2B4fKi12CQNh3pIBeEu3xzZj9%2BCYgSKaggpTKzIpk%3D&showReg=true&showInst=true#/testWindow/1/3/1

Apps | Ananda | | Ananda | | Portfolio | CDC List | schedule | Other bookmarks

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Total 00:31:46
Section 00:06:46

Finish Test

Section 2 of 3 Technical Sk

1 2 3 4 5 6 7 8 9 10 < 4 of 10 >

All 6 4

Question # 4 Revisit

What is the output of following program

```
1  class shape{
2    public:
3
4    virtual void draw(){
5      cout<<"shape\n";
6    }
7  };
8
9  class rectangle : public shape{
10
11   public:
12
13   void draw(){
14     cout<<"rectangle\n";
15   }
16
17 };
```

Choose the best option

- rectangle
  circle
  square
- circle
  square
- circle rectangle
  square
- square circle rectangle

Clear Response

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Round 1 Test V2

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Section 00:06:28

Finish Test

Section 2 of 3 Technical Sk

1 2 3 4 5 6 7 8 9 10 < 4 of 10 >

All 6 4

```
16
17 };
18
19 class circle : public shape{
20   public:
21
22   void draw(){
23     cout<<"circle\n";
24   }
25 };
26
27 class square : public shape{
28   public:
29
30   void draw(){
31     cout<<"square\n";
32   }
33 };
34
35
36 int main(){
37
```

Choose the best option

- rectangle
  circle
  square
- circle
  square
- circle rectangle
  square
- square circle rectangle

Clear Response

Prev Question Next Question

ABInBev

Round 1 Test V2

Total 00:31:25
Section 00:06:25

Finish Test

Section 2 of 3 Technical Sk

1 2 3 4 5 6 7 8 9 10 < 4 of 10 >

All 6 4

```
};


int main(){

  shape *bptr;

  rectangle r;
  bptr = &r;
  bptr->draw();

  circle c;
  bptr = &c;
  bptr->draw();

  square s;
  bptr = &s;
  bptr->draw();


  return 0;
}
```

Choose the best option

- rectangle circle square
- circle square
- circle rectangle square
- square circle rectangle

Clear Response

Prev Question Next Question

Question # 6 Revisit

What is the output of following program which make use of public and private access specifier ?

```
1  class Adder{
2    public:
3
4    Adder(int i = 0){
5      total = i;
6    }
7
8
9    void addNum(int number){
10     total += number;
11   }
12
13
14   int getTotal(){
15     return total;
16   };
17
18   private:
```

Choose the best option

- Total 60
- Total 40
- Total 0
- compile time error

Clear Response

```
  }


  int getTotal(){
    return total;
  };

  private:

  int total;
};

int main(){
  Adder a;

  a.addNum(10);
  a.addNum(20);
  a.addNum(30);

  cout lt;lt; "Total " lt;lt; a.getTotal() lt;lt;endl;
  return 0;
}
```

Choose the best option

- Total 60
- Total 40
- Total 0
- compile time error

Clear Response

ABInBev

Round 1 Test V2

Total 00:30:34
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Finish Test

Section 2 of 3 Technical Sk

1 2 3 4 5 6 7 8 9 10 < 8 of 10 >

All 7 3

Question # 8 Revisit

Given are the columns in a STUDENT_GRADES table. You have to extract the list of the grade point averages (GPA) of all students, sorted from the highest to the lowest grade point average within each semester, starting from the earliest date. Which of the following statements will you use for this purpose?

STUDENT_GRADES columns:
STUDENT_ID NUMBER (12) SEMESTER_END DATE GPA NUMBER (4, 3)

Choose the best option

```
1 SELECT student_id, semester_end, gpa FROM student_grades ORDER BY
  semester_end, gpa DESC;
```

```
1 SELECT student_id, semester_end, gpa FROM student_grades ORDER BY
  semester_end ASC, gpa ASC;
```

```
1 SELECT student_id, semester_end, gpa FROM student_grades ORDER BY
  gpa ASC, semester_end DESC;
```

None of the given options

Prev Question Next Question

Question # 9 Revisit

The EMP table contains the following columns:

```
LAST NAME   VARCHAR2 (35)  NOT NULL
SALARY   NUMBER (9, 2)  NOT NULL
COMMISSION_PCT  NUMBER (4, 2)
```

You need to calculate 12* salary*commission_pct for all the employees in the EMP table. Which of the following queries will you use to display the value in the calculated column?

Choose the best option

```
SELECT last_name, 12 * salary* commission_pct FROM emp;
```

```
SELECT last_name, 12 * salary* (commission_pct,0) FROM emp;
```

```
SELECT last_name, 12 * salary* (nvl(commission_pct,0)) FROM emp;
```

```
SELECT last_name, 12 * salary* (decode(commission_pct,0)) FROM emp;
```

Question # 10 Revisit

Given the data of EMPLOYEES and DEPARTMENTS table. Which of the following statements will you use to retrieve information of all employees, whether or not they have matching departments in the departments table?

EMPLOYEES table:

EMPLOYEES LAST_NAME	DEPARTMENT_ID	SALARY
Getz	10	3000
Davis	20	1500
King	20	2200
Davis	30	5000
Kochhar		5000

DEPARTMENTS table:

DEPARTMENT_ID	DEPARTMENT_NAME
10	Sales
20	Marketing
30	Accounts
40	Administration

```
SELECT last_name, department_name FROM
employees(+) e
JOIN
departments d
ON (e.department_id = d.department_id);
```

```
SELECT last_name, department_name FROM
employees e
RIGHT
OUTER JOIN departments d
ON (e.department_id = d.department_id);
```

```
SELECT last_name, department_name FROM
employees(+) ,
departments
ON (e.department_id = d.department_id);
```

```
SELECT last_name, department_name FROM
employees e
LEFT
OUTER JOIN
departments d
```

Question # 1 Revisit

How to attempt?

Question :

Stocks

You want to buy a particular stock at its lowest price and sell it later at its highest price. Since the stock market is unpredictable, you steal the price plans of a company for this stock for the next N days.

Find the best price you can get to buy this stock to achieve maximum profit.

Note: The initial price of the stock is 0.

Input Specification:

input1: N, number of days
input2: Array representing change in stock price for the day.

Output Specification:

Your function must return the best price to buy the stock at.

Language: PYTHON2 | Compiler : Python 2.7 | Reset

```
1
2  # Read only region start
3  class UserMainCode(object):
4      @classmethod
5      def stocks(cls, input1, input2):
6          '''
7          input1 : int
8          input2 : int[]
9
10         Expected return type : int
11         '''
12         # Read only region end
13         # Write code here
14         pass
15
16
```

Output Specification:

Your function must return the best price to buy the stock at.

Example 1:

input1: 5
input2: {-39957,-17136,35466,21820,-26711}

Output: -57093

Explanation:
The best time to buy the stock will be on Day 2 when the price of the stock will be -57093.

Example 2:

input1: 9
input2: {-4527,-1579,-38732,-43669,-9287,-48068,-30293,-30867,18677}

Output: -207022

Language: PYTHON2 | Compiler : Python 2.7 | Reset

```
1
2  # Read only region start
3  class UserMainCode(object):
4      @classmethod
5      def stocks(cls, input1, input2):
6          '''
7          input1 : int
8          input2 : int[]
9
10         Expected return type : int
11         '''
12         # Read only region end
13         # Write code here
14         pass
15
16
```