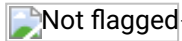


Question 1

Complete

Mark 0 out of 1



Flag question

Question text

What will be the output of following code?

```
int main()
{
    int a=5,b=5;
    int expr1,expr2;
    expr1=a+++a-a;
    expr2=b+ ++b-b;
    printf("%d %d %d %d",expr1,expr2,a,b);
    return 0;
}
```

Select one:

- ☐ A. 5 6 6 6
- ☐ B. 5 5 6 5
- ☐ C. 5 6 5 6
- ☒ D. 6 6 6 6

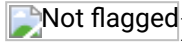
Feedback

The correct answer is: 5 6 6 6

Question 2

Complete

Mark 0 out of 1



Flag question

Question text

What will be output?

```
int main()
```

```
{  
    int a=11, b=22, c=33, d;  
    d = (a=c, b+=a, c=a+b+c);  
    a = (b=c, c=d-b);  
    printf("%d %d", a, d);  
    return 0;  
}
```

Select one:

- ☒ A. 22 33
- ☐ B. 121 121
- ☐ C. 0 121
- ☐ D. 121 0

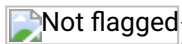
Feedback

The correct answer is: 0 121

Question 3

Complete

Mark 0 out of 1



Flag question

Question text

What will be the output?

```
int main()  
{  
    char *p="Sunbeam Pune";  
    char *q="Sunbeam Karad"+2;  
    printf("s=%s %s\t",p+8,p);  
    printf("x=%c y=%s\t",q[6],q-2);  
}
```

Select one:

- ☐ A. s=Sunbeam Pune x=Sunbeam y=Karad
- ☐ B. s=Pune Sunbeam Pune x=S y=Karad
- ☒ C. s=Pune Sunbeam Pune x=K y=Karad
- ☐ D. s=Pune Sunbeam Pune x=K y=Sunbeam Karad

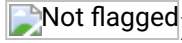
Feedback

The correct answer is: s=Pune Sunbeam Pune x=K y=Sunbeam Karad

Question 4

Complete

Mark 1 out of 1



Flag question

Question text

What will be the output?

```
int main(void)
{
    int arr[5] = {11,22,33,44,55};
    int *ptr1 = (int*)&arr+1;
    int *ptr2 = arr+3;
    printf("%d %d %d\n",*(arr+1),*(ptr1-1),*(ptr2-1));
    return 0;
}
```

Select one:

- ☐ A. 22 22 33
- ☒ B. 22 55 33
- ☐ C. 22 44 33
- ☐ D. compile time error

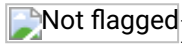
Feedback

The correct answer is: 22 55 33

Question 5

Complete

Mark 0 out of 1



Flag question

Question text

Chose the right output for the following program:

```
void main( )
{
    int i = 258;
    int *iPtr = &i;
```

```
printf("%d %d", *((char*)iPtr), *((char*)iPtr+1) );  
}
```

Select one:

- ☐ A. Compiler Error
- ☐ B. Runtime Error
- ☒ C. 258 257
- ☐ D. 2 1

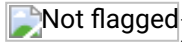
Feedback

The correct answer is: 2 1

Question 6

Complete

Mark 1 out of 1



Flag question

Question text

what is the output of the following program

```
#include <stdio.h>  
int c[10]={1,2,3,4,5,6,7,8,9,10};  
main()  
{  
    int a,b=0;  
    for(a=0;a<10;++a)  
        if(c[a]%2==1) b+=c[a];  
    printf("%d",b);  
}
```

Select one:

- ☐ A. 20 30 5
- ☐ B. 24 31 4
- ☒ C. 25 31 5
- ☐ D. 30 30 4

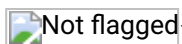
Feedback

The correct answer is: 25 31 5

Question 7

Complete

Mark 0 out of 1



Flag question

Question text

Output of following program?

```
#include <stdio.h>
int main()
{
    static int i=5;
    if(--i)
    {
        main();
        printf("%d ",i);
    }
}
```

Select one:

- ☐ A. 4 3 2 1
- ☒ B. 1 2 3 4
- ☐ C. 0 0 0 0
- ☐ D. Compiler error

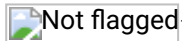
Feedback

The correct answer is: 0 0 0 0

Question 8

Complete

Mark 1 out of 1



Flag question

Question text

What will be the output?

```
int main()
{
    int x = 5;
    int * const ptr = &x;
    ++(*ptr);
    printf("%d", x);
    return 0;
}
```

Select one:

- ☐ A. Compiler Error
- ☐ B. Runtime Error
- ☒ C. 6
- ☐ D. 5

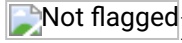
Feedback

The correct answer is: 6

Question 9

Complete

Mark 0 out of 1



Flag question

Question text

What will be the output?

```
#include <stdio.h>
#define macro(n, a, i, m) m##a##i##n
#define MAIN macro(n, a, i, m)
#if X == 3
#define Y "Karad"
#else
#define Y "Pune"
#endif
int MAIN()
{
    printf("Sunbeam ");
    printf("%s", Y);
    return 0;
}
```

Select one:

- ☐ A. Sunbeam Karad
- ☐ B. Sunbeam Pune
- ☐ C. Compiler error
- ☒ D. main Pune

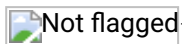
Feedback

The correct answer is: Sunbeam Pune

Question 10

Complete

Mark 0 out of 1



Flag question

Question text

What will be the output?

```
#include <stdio.h>
```

```
#include <string.h>
int main()
{
    char p[] = "sunbeam";
    char t;
    int i, j;
    for(i=0,j=strlen(p); i<j; i++)
    {
        t = p[i];
        p[i] = p[j-i];
        p[j-i] = t;
    }
    printf("%s", p);
    return 0;
}
```

Select one:

- ☒ A. maebnus
- ☐ B. ssssss
- ☐ C. sunbeam
- ☐ D. Nothing will be printed on screen

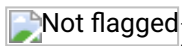
Feedback

The correct answer is: Nothing will be printed on screen

Question 11

Complete

Mark 0 out of 1



Not flagged Flag question

Question text

What will be output?

```
#include<stdio.h>
union test
{
    int x;
    char arr[4];
    int y;
};
int main()
{
    union test t;
    t.x = 0;
    t.arr[1] = 'P';
    t.arr[2] = 'Q';
```

```

    t.arr[4] = 'R';
    printf("%s",t.arr+1);
    printf("%s\t",t.arr);
    printf("%s",t.arr+4);
    return 0;
}

```

Select one:

- ☐ A. arr[4] = 'R'; printf("%s",t.arr+1); printf("%s\t",t.arr); printf("%s",t.arr+4); return 0;}
- ☐ B. PQR
- ☐ C. Nothing will be printed on screen
- ☐ D. PQ R
- ☒ E. Garbage value followed by AB

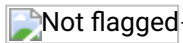
Feedback

The correct answer is: PQ R

Question 12

Complete

Mark 0 out of 1



Flag question

Question text

If program is executed on command line as "./a.out 10 20", and input value for a and b are 11 22 respectively then what will be the output of following code?

```

int main(int argc, char **argv)
{
    int x,y,a,b;
    x=argc++;
    y=argc;
    printf(" %d %d\n", printf("x=%d y=%d", x,y), scanf("%d%d", &a, &b));
    return 0;
}

```

Select one:

- ☐ A. x=3 y=4 7 2
- ☒ B. x=4 y=4 7 2
- ☐ C. x=3 y=4 9 2
- ☐ D. Compiler error

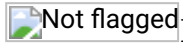
Feedback

The correct answer is: x=3 y=4 7 2

Question 13

Complete

Mark 0 out of 1



Flag question

Question text

What will be output?

```
int main()
```

```
{
```

```
    int i=2, j=3;
```

```
    printf("%d, %d, %d\n", i||j&j||i,i^j,i||j&&j||i);
```

```
    return 0;
```

```
}
```

Select one:

- ☐ A. 7, 5, 1
- ☐ B. 7, 6, 1
- ☒ C. 6, 6, 2
- ☐ D. 7, 6, 2

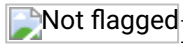
Feedback

The correct answer is: 7, 6, 1

Question 14

Complete

Mark 0 out of 1



Flag question

Question text

Which of the following is true about linked list implementation of stack?

Select one:

- ☐ A. In push operation, if new nodes are inserted at the beginning of linked list, then in pop operation, nodes must be removed from end.
- ☐ B. In push operation, if new nodes are inserted at the end, then in pop operation, nodes must be removed from the beginning.
- ☒ C. Both of the above
- ☐ D. None of the above

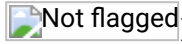
Feedback

The correct answer is: None of the above

Question 15

Complete

Mark 0 out of 1



Flag question

Question text

The following postfix expression with single digit operands is evaluated using a stack:

$8\ 2\ 3\ ^\ / \ 2\ 3\ * \ + \ 5\ 1\ *$

-Note that $^$ is the exponentiation operator. The top two elements of the stack after the first $*$ is evaluated are:

Select one:

- ☐ A. 6, 1
- ☒ B. 5, 7
- ☐ C. 3, 2
- ☐ D. 1, 5

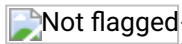
Feedback

The correct answer is: 6, 1

Question 16

Not answered

Marked out of 1



Flag question

Question text

Given pointer to a node X in a singly linked list. Only one pointer is given, pointer to head node is not given, can we delete the node X from given linked list?

Select one:

- ☐ A. Possible if X is not first node. Use following two steps
(a) Copy the data of next of X to X.
(b) Delete next of X.
- ☐ B. Possible if size of linked list is even.
- ☐ C. Possible if size of linked list is odd
- ☐ D. Possible if X is not last node. Use following two steps
(a) Copy the data of next of X to X.
(b) Delete next of X.

Feedback

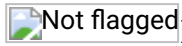
The correct answer is: Possible if X is not last node. Use following two steps

- (a) Copy the data of next of X to X.
- (b) Delete next of X.

Question 17

Complete

Mark 1 out of 1



Flag question

Question text

Which of the following is not a logical operator?

Select one:

- ☐ A. &&
- ☐ B. !
- ☐ C. ||
- ☒ D. |

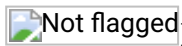
Feedback

The correct answer is: |

Question 18

Complete

Mark 0 out of 1



Flag question

Question text

Which is valid declaration of a String?

Select one:

- ☐ A. String s2 = 'null';
- ☐ B. String s3 = (String) 'abc';
- ☐ C. String s1 = null
- ☒ D. String s4 = (String) "\ufeed";

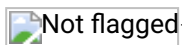
Feedback

The correct answer is: String s1 = null

Question 19

Complete

Mark 0 out of 1



Flag question

Question text

What is the average case complexity of bubble sort?

Select one:

- ☐ A. $O(n \log n)$
- ☒ B. $O(\log n)$
- ☐ C. $O(n)$
- ☐ D. $O(n^2)$

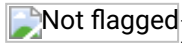
Feedback

The correct answer is: $O(n^2)$

Question 20

Complete

Mark 0 out of 1



Flag question

Question text

Which of the following statements are correct with respect to Singly Linked List(SLL) and Doubly Linked List(DLL)?

Select one:

- ☐ A. Complexity of Insertion and Deletion at known position is $O(n)$ in SLL and $O(1)$ in DLL
- ☐ B. SLL uses lesser memory per node than DLL
- ☒ C. DLL has more searching power than SLL
- ☐ D. All of the mentioned

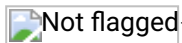
Feedback

The correct answer is: All of the mentioned

Question 21

Complete

Mark 0 out of 1



Flag question

Question text

Which of the following application makes use of a circular linked list?

Select one:

- ☐ A. Undo operation in a text editor
- ☐ B. Recursive function calls
- ☐ C. Allocating CPU to resources
- ☒ D. All of the mentioned

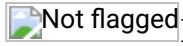
Feedback

The correct answer is: Allocating CPU to resources

Question 22

Complete

Mark 0 out of 1



Flag question

Question text

Which of the following sorting algorithm is of divide-and-conquer type?

Select one:

- ☐ A. Bubble sort
- ☐ B. Insertion sort
- ☐ C. Quick sort
- ☒ D. All of above

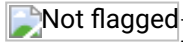
Feedback

The correct answer is: Quick sort

Question 23

Complete

Mark 0 out of 1



Flag question

Question text

```
#define func(x,y) x / y + x
int main()
{
    int i = 6,
        j = 3;
    printf("%d %d %d", func(++i + j, 3),i,j);
    return 0;
}
```

Select one:

- ☐ A. 5 6 3
- ☒ B. 18 7 3
- ☐ C. 19 8 3
- ☐ D. 17 7 3

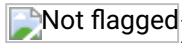
Feedback

The correct answer is: 19 8 3

Question 24

Complete

Mark 0 out of 1



Flag question

Question text

Which of following statements are true?

- I.Process of converting state of object of primitive type into refrence type is boxing.
- II.Process of converting state of object of refrence type into primitive type is boxing.
- III. Process of converting state of object of primitive type into refrence type is unboxing.
- IV. Process of converting state of object of refrence type into primitive type is unboxing.

Select one:

- ☐ A. I,III
- ☒ B. I,IV
- ☐ C. II,III
- ☐ D. II,IV

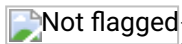
Feedback

The correct answer is: II,III

Question 25

Not answered

Marked out of 1



Flag question

Question text

Considering following code snippet what will be the output?

```
String str1="abcdefg";
String str="abc";
String str2=str+"defg";
if(str1==str2)
    System.out.print("Equal");
else
    System.out.print(" Not equal");
if(str1.equals(str2) System.out.print(" Equal");
else
    System.out.print(" Not equal");
```

Select one:

- ☐ A. Equal Equal
- ☐ B. Not Equal Equal

- ☐ C. Equal Not Equal
- ☐ D. Not Equal Not Equal

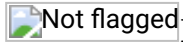
Feedback

The correct answer is: Not Equal Equal

Question 26

Not answered

Marked out of 1



Flag question

Question text

For a method in a protected class which access modifier must be use to restrict its access to that method to only the other members of the same class?

Select one:

- ☐ A. package level private
- ☐ B. public
- ☐ C. private
- ☐ D. protected

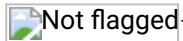
Feedback

The correct answer is: private

Question 27

Not answered

Marked out of 1



Flag question

Question text

Which of the following is true for method overriding?

Select one:

- ☐ A. It is not possible to access the method which is overridden in a subclass
- ☐ B. Overridden method in java is called virtual function
- ☐ C. A method in the subclass that has the same name, same arguments and same return type as a method in the super class is orverridden
- ☐ D. An overridden method advocates for inheritance in OOP

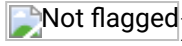
Feedback

The correct answer is: A method in the subclass that has the same name, same arguments and same return type as a method in the super class is overridden

Question 28

Not answered

Marked out of 1



Not flagged Flag question

Question text

What will be the output?

class Test

```
{
    public static void method(Integer i, Integer j)
    {
        Integer temp=new Integer(i);
        i=j; j=temp;
    }
    public static void main(String[] args)
    | {
        Integer x=new Integer(10);
        Integer y=new Integer(20);
        method(x, y);
        System.out.println("x="+x+",y="+y);
    }
}
```

Select one:

- ☐ A. x=10,y=20
- ☐ B. x=20,y=10
- ☐ C. x=10,y=10
- ☐ D. x=20,y=20

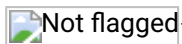
Feedback

The correct answer is: x=10,y=20

Question 29

Not answered

Marked out of 1



Not flagged Flag question

Question text

Which of the following statements is true?

Select one:

- ☐ A. The keyword extends is used to specify that an interface inherits from another interface
- ☐ B. The keyword extends is used to specify that a class inherits from an interface
- ☐ C. The keyword implements is used to specify that an interface inherits from another interface
- ☐ D. The keyword implements is used to specify that a class inherits from another class

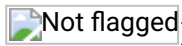
Feedback

The correct answer is: The keyword extends is used to specify that an interface inherits from another interface

Question 30

Not answered

Marked out of 1



Flag question

Question text

What is the error in the following class definitions?

Abstract class xy

```
{  
    abstract sum (int x, int y)  
    { }  
}
```

Select one:

- ☐ A. Class header is not defined properly.
- ☐ B. Method is not defined properly
- ☐ C. Constructor is not defined.
- ☐ D. Method is defined properly

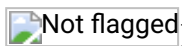
Feedback

The correct answer is: Method is not defined properly

Question 31

Not answered

Marked out of 1



Flag question

Question text

class Main

```
{  
    public static void main(String args[])
```

```
{
    final int i;
    i = 20;
    i = 30;
    System.out.println(i);
}
}
```

Select one:

- ☐ A. 30
- ☐ B. Compiler Error
- ☐ C. Garbage value
- ☐ D. 0

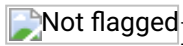
Feedback

The correct answer is: Compiler Error

Question 32

Not answered

Marked out of 1



Flag question

Question text

Analyze the following code:

```
public class Test
{
    int x;

    static
    {
        x++;
    }
}
```

Select one:

- ☐ A. The program cannot be compiled, because the statement `x++` must be placed inside a method or a constructor.
- ☐ B. When you construct an instance of `Test`, the value of `x` becomes 0.
- ☐ C. The program cannot be compiled, because `x` is non-static, but is used in a static initialization block.
- ☐ D. When you construct an instance of `Test`, the value of `x` becomes 1.

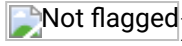
Feedback

The correct answer is: The program cannot be compiled, because x is non-static, but is used in a static initialization block.

Question 33

Not answered

Marked out of 1



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Question text

Which of the following statements are incorrect?

Select one:

- ☐ A. Variables declared as final occupy memory.
- ☐ B. final variable must be initialized at the time of declaration.
- ☐ C. Arrays in java are implemented as an object.
- ☐ D. All arrays contain an attribute-length which contains the number of elements stored in the array.

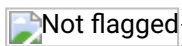
Feedback

The correct answer is: Variables declared as final occupy memory.

Question 34

Not answered

Marked out of 1



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Question text

What will be the output?

```
int func(char chr, ...);
int main()
{
    char c = 97;
    func(c,3,2);
    return 0;
}
int func(char c, ...)
{
    printf("%c %c %c\n", c,c+1,c++);
}
```

Select one:

- ☐ A. a b c

- ☐ B. b c a
- ☐ C. 97 98 99
- ☐ D. compiler error

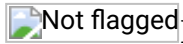
Feedback

The correct answer is: b c a

Question 35

Not answered

Marked out of 1



Flag question

Question text

For the expression $((A + B) * C - (D - E) ^ (F + G))$, the equivalent Postfix notation is
Select one:

- ☐ A. $AB + C * DE - - ^ FG +$
- ☐ B. $AB + CDE - - * FG + ^$
- ☐ C. $AB + C * DE - FG + - ^$
- ☐ D. $AB + C * DE - - FG + ^$

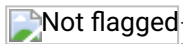
Feedback

The correct answer is: $AB + C * DE - - FG + ^$

Question 36

Not answered

Marked out of 1



Flag question

Question text

What is the exact meaning of the following statement?

`int *p(char *a [])`

Select one:

- ☐ A. p is a function that accepts an argument which is an array of pointers to characters returns a pointer to an integer quantity
- ☐ B. p is a pointer to function that accepts an argument which is an array of pointers to characters returns a pointer to an integer quantity
- ☐ C. p is a function that accepts an argument which is a pointer to character array returns a pointer to an integer quantity

☐ D. p is a pointer to function that accepts an argument which is an array of pointers to characters returns a pointer to character quantity

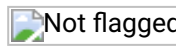
Feedback

The correct answer is: p is a pointer to function that accepts an argument which is an array of pointers to characters returns a pointer to an integer quantity

Question 37

Not answered

Marked out of 1

 Flag question

Question text

What will be the output of following code?

```
int main()
{
    char str[20] = "helloWorld";
    char *p = strchr(str, 'l');
    printf("%c %s\n", *p, (++p));
}
```

Select one:

- ☐ A. l lloWorld
- ☐ B. l loWorld
- ☐ C. o o
- ☐ D. h hello

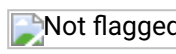
Feedback

The correct answer is: l loWorld

Question 38

Not answered

Marked out of 1

 Flag question

Question text

What will be the output?

```
int main()
{
    int b = 6, c = 16, d = 8, e = 8, a;
    a = b>c?c>d?22:d>e?33:44:55;
```

```
printf("%d", a);  
}
```

Select one:

- ☐ A. 22
- ☐ B. 33
- ☐ C. 44
- ☐ D. 55

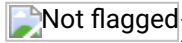
Feedback

The correct answer is: 55

Question 39

Not answered

Marked out of 1



Not flagged Flag question

Question text

What will be the output of following code?

```
struct numbers
```

```
{  
    int x:3;  
    int y:2;  
    int z:3;  
    int p:3;  
};  
int main()  
{  
    struct numbers n={-6,-2,3,5};  
    int a,b; a=n.x&n.y|n.z;  
    b=n.x<<2&n.p<<1;  
    printf("a=%d b=%d",a,b);  
}
```

Select one:

- ☐ A. a=3 b=8
- ☐ B. a=-3 b=8
- ☐ C. a=3 b=7
- ☐ D. a=3 b=-5

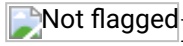
Feedback

The correct answer is: a=3 b=8

Question 40

Not answered

Marked out of 1



Flag question

Question text

what will be the output?

```
int main()
```

```
{  
    int i=2;  
    while(i>1)  
    {  
        switch(i)  
        {  
            default:printf("hello1");  
            case 2:printf("hello2");  
            case 3:printf("hello3");  
            break;  
            case 1:printf("hello4");  
            case 6:printf("hello5");  
        }  
        i--;  
    }  
}
```

Select one:

- ☐ A. hello1hello2hello3
- ☐ B. hello2hello3
- ☐ C. hello2hello3hello4hello5
- ☐ D. hello1hello2hello3hello4hello5

Feedback

The correct answer is: hello2hello3

Finish review

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