What will be the output for the following pseudocode ?

int i=3,a=6;

while(i> -1)

a=a+2

i=i-2

print a

8

10

6

12

ANS 10

Which searching technic will best for the array 5 6 1 4 3 2 8 if the search element is 3 ?

Jump Search

None of the above

Linear Search

Binary Search

ANS LINEAR SEARCH

What is the time complexity for Binary Search ?

None of the above

Quadratic Time complexity

Quasilinear Time complexity

Linear Time complexity

ANS NONE

What is the output for the following code ?

int main()

{

int a[5]={5,9,2,1,3},\*b;

b=a+2;

printf("%d %d %d",\*(b+1),a[\*(a+3)],\*b+2);

}

8 1 3

8 1 4

1 9 4

1 1 4

ANS 194

What is the value of d in the below statement ?

d=32<<4

512

128

28

None of the above

ANS 512

What will be the output for the following C code ?

#include<stdio.h>

int main()

{

int a=4,b=2,c;

a=a+1;

b=b-1;

c=a^b;

printf("%d",c); }

5

4

ERROR

None of the above

ANS 4

How many times printf() statement will be Executed in the following code snippet ?

int main()

{ int a=5;

for(int i=0;i<=5+2;i++);

{

printf("hi");

}

}

8

7

1

None of the Above

ANS 1

Which of the following sorting procedure is the slowest?

Merge Sort

Selection Sort

Quick Sort

Shell Sort

ANS SELECTION SORT

How many leaf nodes are there in a proper binary tree if there are 3 internal nodes ?

4

0

6

2

ANS 4

What is the time complexity to add a node in the back in Doubly Linked List ?

O(n/2)

O(1)

O(n)

O(log n)

ANS O(1)

Spot the error line in the code

#include<stdio.h>

#include<string.h>

int main()

{ int c;

char a[5]="hello"; //Line 1

char b[5]="car"; //Line 2

c=strlen(a);

printf("%d %s %s",c,b,a); //Line 3 }

Line 1

Line 2

Line 3

No Error

ANS LINE 1

What is the format specifier for Long Double in C language?

%lf

%ld

%Ld

%f

None of the above

ANS NONE

what is the postfix expression for the prefix expression -+/wxu\*vz ?

wx/uvz\*-+

wxu/v+z\*-

wxuvz-+/\*

wx/u+vz\*-

ANS wx/u+vz\*-

What will be the output for the give code snippet ?

a="5674"

s=1

for i in a:

s=s+i

print(s)

None of the above

21

23

22

ANS NONE

Which of the following will be the condition in while loop for Binary Search if the array is sorted in Descending order ? where L is the left most and R is the right most index variables.

L>=R

L!=R

L==R

L<=R

ANS L<=R

What will be the output for the following code snippet ?

a="apple a day"

s=a[-1:-5:-1]

print(s)

Syntax Error

yad

yad a

Error : "index out of range"

ANS yad

What is the Worst case time complexity of Bubble sort if N elements are to be sorted ?

O(n^3)

O(n)

O(n^2)

O(n logn )

ANS O(n^2)

What is the type of inheritance when class A is inherited to class B and C ?

Multilevel inheritance

Multiple inheritance

Single inheritance

Hierarchical inheritance

ANS HIERARCHICAL

Which of the following is an inorder traversal of a tree whose postorder traversal is 11, 8, 23, 22, 27, 25, 15, 50, 95, 60,40, 29?

95, 50, 60, 40, 27, 23, 22, 25, 11, 8, 15, 29

8,11, 15, 22, 40, 50, 60, 95, 23, 25, 27, 29

8,11, 15, 22, 23, 25, 27, 29, 40, 50, 60, 95

29, 15, 8, 11, 25, 22, 23, 27, 40, 60, 50, 95

ANS 8,11, 15, 22, 23, 25, 27, 29, 40, 50, 60, 95

What will be the output if

int a[3][3]={{2,8,7},{1,8,9},{3,6,5}};

and printf("%d %d %d", \*(\*(a+1)), \*\*a, \*(\*(a+2)+2));

Address , 2, Address

8 2 9

8 2 5

1 2 5

ANS 125

what will be the output for the following code snippet ?

b=5

a=2

i=4

while(i>3):

i=i-1

a=a+b

b=b+a

print(a,b)

ANS 7,12

What is the output for the given pseudocode ?

int fun(x)

if(x is 1)

return 1

print(x)

fun(x-1)

print(x)

a=4

fun(a)

4320

None of the above

4321

432

ANS NONE OF THE ABOVE

For the given array 2 4 5 6 8 9 12 what will be the Search element from the options if binary search is performed and the program prints "Found" and L(left index variable) and R(Right index variable) values are same ?

9

6

8

4

ANS 8