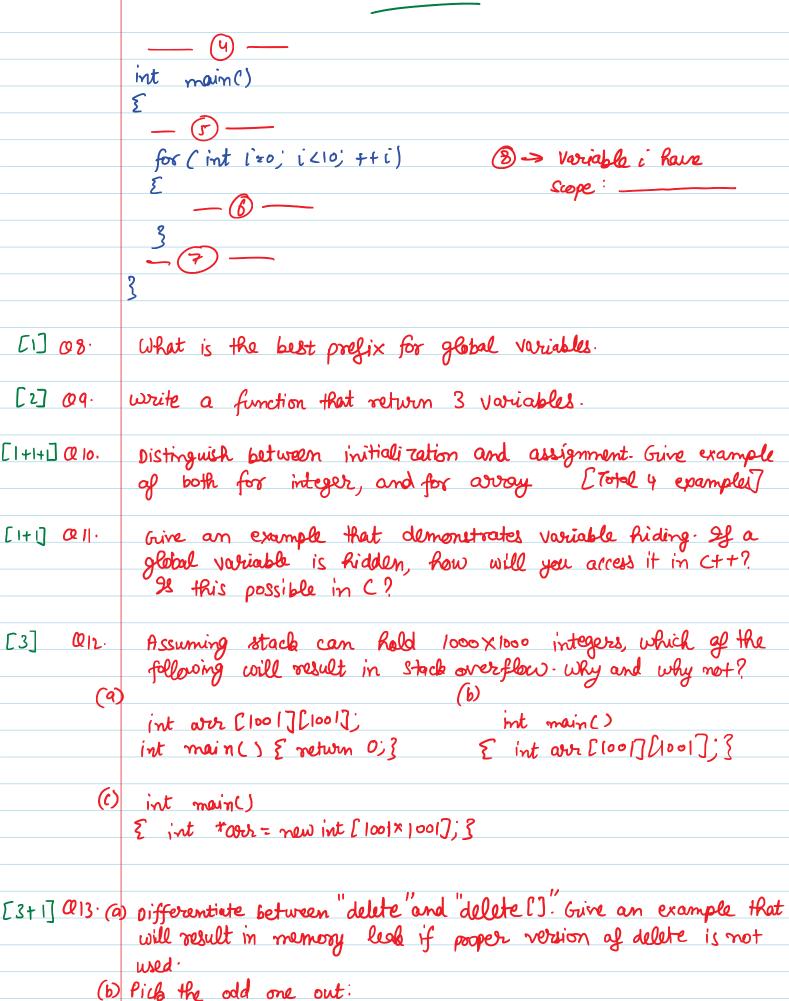


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(i) new int [5]; (ii) new int (5); (iii) new int [5];

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```
[3] Q14. A double pointer is pointing to some location. Return an int
           pointer that will point to same location.
            int * foo (double *d)
             // write some lines of code here.
[5] Q15.
          By taking inspiration from poerious question, point the BIT
           represention af 50 (a double value) on Screen Mabe sure
            to take care of little endian format.
           [Hint: Write a function that prints binary represention of a 1 byte
                 char (
          What are default arguments? What are the rules of creating
[1+2] Q16.
            them?
     017. Why "using namespace stol;"?
 [2]
[5]
    018 Find total number of integer copies that are made in the
            following program after comment I and before comment 2.
            int foo (int n)
              if (n==1) return 1)
              int x = foo (n-1);
              return 2;
            int main()
             // Comment/ <
             int x= foo (2);
             11 Comment 2
              returno;
```

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```
[3] @19. Void foo (int *p)
                                       int maine)
                                       { int y = 30;
                                         int * P = & v)
                                       foo (p); but << x << endl;
             int 9 = 10)
           ρ= 8-2;
                                              Find output
  [3]
     020. int aver[5] = {1, 1, 3, 4, 5};
            int * pro = (int *) ( & avor+1);
            Cout < (*( ovr +1)) << " << (*(p+r-1)) << end)
                                I Find output.
           void foo (int over[])
[2+2] Q81.
                                           int main()
                                           int our [2] = [5,63;
               arr = arr +1;
                cout « arr [o] « endl;
                                             foo (ovr);
                                              cont « our lo] << endl;
            will the output of above program a garbage value? If yes, why?
            If no, what is the output?
 [3] Q. Select the convect version of delete that will deallocate memory
           without memory leab. In case of multiple correct, choice the
            most appropriate version.
                                   delete/delete[]
                                                            memory (in bytes)
         (a) new int [5];
         (b) new int (5);
         (c) new int Ess:
[2+1+2] (223. (a) what does the fallowing code do?
          (b) what is the man value passible for count?
         (c) If count = a, how many times operator & is called?
              int foo (unsigned int n)
              { int Gunt = 0;
                while (n)
                    n= n & (n-1);
```

++ count;

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return count; [10] Q24. A delta function is defined as: int delta (chart c, int size) 3 C is the pointer to first character of string and size is the size of string for eg-char C[5] = ['a', 'b', 'c', 'd', '\0']; int x = delta (c, 4); Complete the definition of delta function such that 1) If sI can be rearranged to form string so Cor vice verses, then delta (SI) is same as delta (S2); 1 Assume that each character is used atmost once in the String and all characters are bovorage english letters. 1 Hint: Use Bit manipulation [5] @ 25. int $x = 0 \times 0 / 02 0304$ cout << x << endl; -> Points decimal equivalent of 0x 04030201 Use a character pointer to after the contents of int present in moin memory Don't allocate any memory in heap. [1+1+1] (126 what is void *? Can any pointer be converted to void *? Can void * be converted to any pointer? [2+1+2] 027. Complete the following functions: (a) int update Bit (int num, int i, bool toone) { → 2f toom is town, ith bit should be set to I, else O.

(b) Use 8, «, ~ operator to clear ith bit of num.

int close (int num, Int i) {

(c) What is being done by following functions?

Int foo (int num, int i)

E

return num & ((|«i)-|);

3

return num & (-|«(i+1));

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