POINTERS

1. Can you combine the following two statements into one? Char *p; p = (char*) malloc (100); 2. Are the expressions ptr++ and ++ptr same? 3. Can you write another expression which des the same job as ++*ptr? 4. What would be the equivalent pointer expression for referring the array element a[i][j][k][l]? 5. If size of an integer is 4 bytes what will be the output of the following program? #include<stdio.h> int main() { int arr[] = { 12, 13, 14, 15, 16}; printf("%d %d %d\n", sizeof (arr), sizeof (arr[0])); return 0; } 6. What will be the output of the following program assuming that the array begins at location 1002 and size of an integer is 4 bytes? #include<stdio.h> int main () int $a[3][4] = {$ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 }; printf("%u %u %u\n", a[0] + 1),*(*(a+0)+1)); return 0;

7. Will the following program compile?

```
#include<stdio.h>
int main()
 {
     char str[5] = "fast enough";
     return 0;
  }
8. Which of the following is the correct output for the program given below?
#include<stdio.h>
 int main()
   int arr[3] = \{ 2, 3, 4 \};
   char *p;
   p = ( char* ) arr;
  printf( "%d", *p );
   p = p + 1;
printf( "%d\n" , * p );
return 0;
}
        A. 23 B. 20 C. 10 D. Garbage values
9. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main()
{
  int arr[2][2][2] = \{ 10, 2, 3, 4, 5, 6, 7, 8 \};
  int *p, *q;
 p = &arr[1][1][1];
 q = ( int* )arr;
  printf( "%d %d\n" , *p, *q );
 return 0;
}
```

12. Where can one think of using pointers?

10. What will be the output of the following program assuming that the array begin at the location 1002? #include<stdio.h> int main () int $a[2][3][4] = {$ { 1, 2, 3, 4, 5, 6, 7, 8, 9, 1, 1, 2 }, 2, 1, 4, 7, 6, 7, 8, 9, 0, 0, 0, 0 } **}**; printf("%u %u %u %d\n", a, *a, **a, ***a); return 0; } 11. In the following program how will you print 50 using p? #include<stdio.h> int main() { int a[] = $\{ 10, 20, 30, 40, 50 \}$; char *p; p = (char*) a; return 0; }

```
13. In the following program add a statement in the function fun() such that address of a gets stored in j.
#include<stdio.h>
int main()
   int *j;
   void fun ( int** );
   fun ( & );
   return 0;
void fun ( int ** k )
  int a = 10;
  /* add statement here */
14. How will you declare an array of three function pointers where each function receives two ints and returns a
15. Will the following program report an error on compilation? [ Yes/No ]
#include<stdio.h>
int main( )
{
    float i = 10, *j;
    void * k;
     k = \&i;
j = k;
printf( "%f\n" , * j );
return 0;
16. Will the following program compile?
 #include<stdio.h>
 int main()
```

```
int a = 10, *j;
    void *k;
    j = k = &a;
    j++;
    k++;
    printf( "%u %u\n" , j, k ) ;
    return 0;
17. Which will be the output of the following program?
#include<stdio.h>
int main ()
   printf( "%c\n", 7[ "sundaram" ] );
   return 0;
 }
18. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main()
   char *p;
   p = "hello";
  printf("%s\n", *&*&p);
   return 0;
}
        A. llo
                                  B. hello
                                                    C. ello
                                                                              D. h
19. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main( )
{
```

{

```
char ch = 74, *cp = "JACK";
    int j = 65;
    vp = &ch;
    printf( "%c", * ( char * ) vp );
    vp = &j;
    printf( "%c", * ( int * ) vp );
   vp = cp;
  printf( "%s\n", (char *) vp + 2);
  return 0;
}
        A. JCK B.J65K
                                   C. JAK D. JACK
20. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main( )
   static char *s[] = { "back", "while", "pink", "violet" };
    char **ptr[] = { s+3, s+2, s+1, s }, ***p;
    p = ptr;
    printf( "%s\n", **p+1 );
   return 0;
 }
        A. ink
                          B. ack C. ite
                                                    D. let
21. Which of the following is the correct output for the program given below?
#include<string.h>
#include<stdio.h>
int main()
   int i , n ;
   char *x =  "Alice";
```

void *vp;

```
n = strlen(x);
  for ( i=0; i<=n; i++)
      printf( "%s", x );
      x++;
   }
   printf ( "\n", x );
   return 0;
 }
A. No output
                 B. ecilA C. Alice lice ice ce e
                                                             D. lice ice ce e
22. Which of the following is the correct output for the program given below, if an integer is 4 bytes long and r
begins in memory at address 4000?
#include<stdio.h>
int main( )
   int ***r, **q, *p, i=8;
   p = &i;
   q = &p;
   r = &q;
   printf( "%d %d %d\n", *p, **q, ***r );
   return 0;
  }
                 A.888
                 B. 4000 4002 4004
                 C. 4000 4004 4008
                 D. 4000 4008 40016
23. Which of the following is the correct output for the prgram given below?
#include<stdio.h>
void fun ( void *p );
int i;
```

```
int main()
{
   void *vptr;
   vptr = &i;
   fun ( vptr );
   return 0;
 void fun ( void * p )
   int **q;
   q = (int **) &p;
  printf( "%d\n", **q )
 }
                 A. Error: Cannot convert from void ** to int **
                 B. Garbage value
                 C. 0
                 D. No output
24. Which of thr following is thr correct output for the program given below?
#include<stdio.h>
int main()
{
    char *str;
    str = "%d\n";
    str++;
    str++;
    printf( str-2, 300 );
    return 0;
        A. No output
                                           C. 3
                          B. 30
                                                             D. 300
```

25. Which of the following is the correct output for the program given below?

```
#include<stdio.h>
int main( )
{
     char *str;
     str = "%s";
     printf ( str, "k\n" );
    return 0;
  }
                                                      C. K
         A. Error
                           B. No output
                                                                        D. %s
26. In the following program add a statement in the function fact() such that the factorial gets stored in j.
 #Include<stdio.h>
 void fact ( int* );
 int main()
   int i = 5,j;
   fact (&i);
   printf( "%d\n", i );
   return 0;
 void fact ( int *j )
    static int s = 1;
    if (*j!=0)
     {
       s=s**j;
       *j = *j-1;
        fact(j);
       /* add statement here */
       }
  }
```

```
27. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main()
   int i, *j, k;
   i=3;
  j= &i;
   printf( "%d\n", i^{**}j^{*}i^{+*}j );
   return 0;
}
         A. 30
                           B. 27
                                             C. 9
                                                                D. 3
28. Which of the following is the correct output for the program given below?
#include<stdio.h>
void change ( int* , int );
int main( )
        int i, a[] = { 2, 4, 6, 8, 10};
     change (a, 5);
        for ( i=0 ; i<=4 ; i++ )
        printf( "%d,", a[i]);
        printf ( "\n" );
     return 0;
}
void change ( int *b, int n )
{
        int i;
         for (i=0; i \le n; i++)
                  *(b+1) = *(b+i) + 5;
}
```

A. 7, 9, 11, 13, 15

```
C. 246810
                  D. 3, 1, -1, -3, -5
29. Which of the following is the correct output for the program given below?
#include<stdio.h>
int * check ( static int, static int );
int main( )
        int * c;
        c = check (10,20);
        printf( "%d\n", *c );
        return 0;
}
int * check ( static int i , static int j )
{
        int *p, *q;
        p = &i;
        q = &j;
        if( i \ge 45 )
                  return ( p );
         else
                  return (q);
}
                  A. 10
                  B. 20
                  C. Error: 'Non portable pointer conversion'
                  D. Error: 'Cannot use static for function parameters'
30. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main( )
```

B. 2, 4, 6, 8, 10

```
{
        int x = 30, *y, *z;
        y = &x; /* suppose address of x is 500 and integer is 4 byte wide */
        z = y;
         *y++ = *z++;
        x++;
        printf( "x = %d y = %d z = %dn", x, y, z );
        return 0;
}
        A. 31 502 502
        B. 31 500 500
        C. 31 498 498
        D. 31 504 504
31. Which of the following error will be reported on compiling the program given below?
#include<stdio.h>
int main ()
{
        int a[] = \{ 10, 20, 30, 40, 50 \};
        int j;
        for (j = 0; j < 5; j++)
         {
                 printf( "%d\n", *a );
                 a++;
         }
        return 0;
}
                 A. Error: 'Declaration syntax'
                 B. Error: 'Expression syntax'
                 C. Error: 'Lvalue required'
                 D. Error: 'Rvalue required'
```

```
32. Which of the following statement is correct about k used in the statement given below?
Char ****k;
                 A. k is pointer to a pointer to a pointer to a char.
                 B. k is pointer to a pointer to a pointer to a pointer to a char.
                 C. k is pointer to a char pointer.
                 D. k is pointer to a pointer to a char.
33. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main()
{
        char str[] = "peace";
        char *s = str;
         printf( "%s\n", s++ +3 );
        return 0;
}
What will be the output f the above code?
         A. peace B. eace C. ace D. ce
34. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main( )
{
        char str1[] = "Bombay";
        char str2[] = "Pune";
        char *s1 = str1, *s2 = str2;
         while ( *s1++ = *s2++ );
                 printf( "%s", str1 );
         printf( "\n" );
        return 0;
}
         A. Bombay
                                   B. Pune C. Bombay
                                                                       D. (null)
```

35. Which of the following statements correctly declare a function that receives a pointer to a float and returns a pointer to a float?

```
A. float ** fun ( float *** );
         B. float * fun ( float ** );
         C. float fun (float ***);
         D. float **** fun ( float *** );
36. Which statement will you add to the following program to ensure that the program outputs
" mumbadevi " on execution?
#include<stdio.h>
int main( )
{
         char s[ ] = "mumbadevi"
         char t[25];
         char *ps, *pt;
         ps = s;
         pt = t;
         while (*ps)
                  *pt++ = *ps++;
/* add suitable statement here */
printf( "%s\n", t);
return 0;
}
37. Which of the following statements is correct about the program given below?
#Include<stdio.h>
int main()
{
        int arr[3][3] = \{ 1, 2, 3, 4 \};
         printf( "%d\n", * ( * ( * ( arr ) ) ) );
         return 0;
}
```

```
B. It will output a value 1.
         C. It will output a value 3.
         D. It will report an error: 'Invalid indirection'.
38. If a variable is a pointer to a structure, then which of the following operator is used to access data members of
the structure through the pointer variable?
                                             C. '*'
                                                               D. '->'
         A. '.'
                           B. '&'
39. Which of the following is the correct output for the program given below?
#include<stdio.h>
int main ()
         char str[20] = "Hello";
         char * const p = str;
         *p = 'M';
         printf( "%s\n", str );
         return 0;
}
         A. Mello
                                    B. Hello
                                                       C. HMello
                                                                                  D. Mhello
40. The operator used to value at address stores in a pointer variable is
         A. *
                           B. &
                                             C. &&
                                                                         D. ||
41. A pointer is a
         A. A keyword used to create a variables.
         B. A variable that stores address of an instruction.
         C. A variable that stores address of another variable.
         D. All of the above.
42. Which of the following statement is true about the program given below?
#include<stdio.h>
int main( )
         float a = 3.14;
```

A. It will output a garbage value.

```
char *j;
         j = (char *) &a;
         printf( "%d\n", *j );
         return 0;
}
         A. It will print ASCII value of the binary number present in the first byte of the float variable
                                                                                                               a.
         B. It will print character equivalent of the binary number present in the first byte of the float
                                                                                                               variable
a.
         C. It will print 3.
         D. It will print a garbage value.
43. Which of the following statement is correct about the program given below?
#include<stdio.h>
int main()
         int i = 10;
         int *j = \&i;
         return 0;
}
         A. j and I are pointers to an int.
         B. i is a pointer to an int and stores address of j.
         C.\ j is a pointer to an int and stores address of \ i.
         D. j is a pointer to a pointer to an int and stores address of i.
44. Which of the following is the correct output for the given below?
#include<stdio.h>
int power( int ** )
int main ()
         int a = 5, **aa /* suppose the address of the variable as is 1000*/
         aa = &a;
         a = power(&aa);
```

```
printf("%d\n",a);
return 0;
int power(int **ptr)
        int b;
        b = **ptr**ptr;
        return(b);
}
A. 5
                 B. 25
                                   C. 125
                                                     D. Garbage value
45. Is the null pointer same as an uninitialized pointer? [Yes/ No]
46.In which header file is the NULL macro defined.
47. Is there any difference between the following two statements?
Char *p = 0;
char *t = NULL;
48. What is (void *) 0?
49. Is this a correct way null pointer assignment?
Int i=0;
char *q = (char *)i;
50. What is a null pointer?
51. What is the difference between null pointer, NULL macro, the ASCII NULL character and a null striing?
52. What will be the output of the following program, if the size of the pointer is considered as 4 bytes?
#include<stdio.h>
int main()
printf("%d%d\n",sizeof(NULL), sizeof(""));
return 0;
}
53. Point out the error, if any in the following program
```

```
#include<stdio.h>
int main()
int *x;
x = 100;
return 0;
}
54. Point out the error , if any, in the following code?
#include<stdio.h>
int main()
*p = (char *) malloc (100);
p = y;
}
55. How many bytes are occupied by the near, far and huge pointers?
56. Are the 3 declarations char **apple, char *apple[] and char apple[][] same ? [Yes/No]
57. Will the following program give any warning on compilation?
#include<stdio.h>
void main()
int *p1, i=25;
void *p2;
p1 = &i;
p2 = &i;
p1 = p2;
p2 = p1;
```

58. Since size of pointer as well as size of standard data types varies from one compiler to another , how should I write programs that work similarly with all compilers ?

59. What is the output of the following program. #include<stdio.h> int main(void) int a=5,*ptr; ptr=&a; printf("Input a number : "); scanf("%d",ptr); /*Suppose the input number is 16*/printf("%d %d\n",a,*ptr); return 0; } 60. What is the output of the following program. #include<stdio.h> int main(void) { int *ptr; printf("Enter a number : "); scanf("%d",ptr); printf("%d\n",*ptr); return 0; } 61. What is the output of the following program.

#include<stdio.h>

```
int main(void)
{
         int arr[5],i;
         for(i=0; i<5; i++)
                  printf("%p ",arr+i);
         printf("\nEnter 5 numbers : ");
         for(i=0; i<5; i++)
                  scanf("%d",arr+i);
         for(i=0; i<5; i++)
                  printf("%d ",*(arr+i));
         return 0;
}
62. What is the output of the following program..
#include<stdio.h>
int main(void)
{
        int i,arr[5]={25,30,35,40,45},*p;
         p=arr;
         for(i=0; i<5; i++)
                  printf("\%d\t\%d\t",*(p+i),p[i]);
         return 0;
}
63. What is the output of the following program.
#include<stdio.h>
int main(void)
{
         int i,arr[5]= {25,30,35,40,45},*p;
         p=&arr[4];
```

```
for(i=0; i<5; i++)
                 printf("\%d\t\%d\t",*(p-i),p[-i]);
         return 0;
}
64. What is the output of the following program.
#include<stdio.h>
int main(void)
{
         int i,arr[5] = \{25,30,35,40,55\},*p;
         for(i=0; i<5; i++)
         {
                 printf("%d ",*arr);
                  arr++;
         }
        return 0;
}
65. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int i,arr[5]={25,30,35,40,45},*p=arr;
         for(i=0; i<5; i++)
         {
                  (*p)++;
                 printf("%d ",*p);
                  p++;
         }
        return 0;
```

```
}
66. What is the output of the following program.
#include<stdio.h>
int main(void)
{
         int i,arr[5]={25,40,55,70,85},*p=arr;
         for(i=0; i<5; i++)
                 printf("%d ",*p++);
         printf("\n");
         for(i=0; i<5; i++)
                  printf("%d ",*--p);
         printf("\n");
         return 0;
}
67. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int i,arr[5]={25,40,55,70,85},*p=arr;
         for(i=0; i<8; i++)
                  printf("%d ",++*p);
         printf("\n");
         for(i=0; i<7; i++)
                  printf("%d ",(*p)++);
         printf("\n");
        return 0;
}
```

```
68. What is the output of the following program.
#include<stdio.h>
int main(void)
        int arr[10]={25,30,35,40,55,60,65,70,85,90},*p;
         for(p=&arr[0]; p<arr+10; p++)
                 printf("%d ",*p);
        return 0;
}
69. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int arr[10]= \{25,30,35,40,55,60,65,70,85,90\},*p;
         for(p=arr+2; p<arr+8; p=p+2)
                 printf("%d ",*p);
        return 0;
}
70. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int i,arr[10]={25,30,35,40,55,60,65,70,85,90};
        int *p=arr+9;
         for(i=0; i<10; i++)
                 printf("%d ",*p--);
        return 0;
```

```
}
71. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int arr[10]={25,30,35,40,55,60,65,70,85,90},*p;
        for(p=arr+9; p>=arr; p--)
                 printf("%d ",*p);
        return 0;
}
72. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int arr[4] = \{10, 20, 30, 40\};
        int x=100, *ptr=arr;
        printf("%p
                          %d
                                   %d\n",ptr,*ptr,x);
        x=*ptr++;
        printf("%p
                          %d
                                   %d\n",ptr,*ptr,x);
        x=*++ptr;
        printf("%p
                          %d
                                   %d\n",ptr,*ptr,x);
        x=++*ptr;
        printf("%p
                          %d
                                   %d\n",ptr,*ptr,x);
        x=(*ptr)++;
                                   %d\n",ptr,*ptr,x);
        printf("%p
                          %d
        return 0;
}
```

```
73. What is the output of the following program.
#include<stdio.h>
int main(void)
        int x,arr[8]=\{11,22,33,44,55,66,77,88\};
        x=(arr+2)[3];
        printf("%d\n",x);
        return 0;
}
74. What is the output of the following program.
#include<stdio.h>
int main(void)
        int arr[8]={11,22,33,44,55,66,77,88};
        int *p,*q;
        q=arr/2;
        p=q*2;
        printf("%d %d",*p,*q);
        return 0;
}
75. What is the output of the following program.
#include<stdio.h>
int main(void)
        int arr[6]=\{1,2,3,4,5,6\};
        int *p=arr;
         printf("Size of p=%u,Size of arr=%u\n",sizeof(p),sizeof(arr));
        return 0;
```

```
76. What is the output of the following program.
#include<stdio.h>
int main(void)
        float a=5,*p,**pp;
        p=&a;
        pp=&p;
        printf("a=%f, p=%p, pp=%p\n",a,p,pp);
        a=a+1;
        p=p+1;
        pp=pp+1;
        printf("a=%f, p=%p, pp=%p\n",a,p,pp);
        return 0;
}
77. What is the output of the following program.
#include<stdio.h>
int a=5,b=10;
void change1(int *p)
{ p=&a; }
void change2(int **pp)
{*pp=&b;}
int main(void)
        int x=20,*ptr=&x;
        printf("%d ",*ptr);
        change1(ptr);
```

}

```
printf("%d ",*ptr);
         change2(&ptr);
         printf("%d\n",*ptr);
        return 0;
}
78. What is the output of the following program.
#include<stdio.h>
void func(int x,int *y);
int main(void)
{
        int a=2,b=6;
         func(a,&b);
        printf("a=%d, b=%d\n",a,b);
        return 0;
}
void func(int x,int *y)
{
        int temp;
        temp=x;
        x=*y;
         *y=temp;
}
79. What is the output of the following program.
#include<stdio.h>
void func(int **pp);
int main(void)
{
        int *ptr;
```

```
func(&ptr);
        printf("%d\n",*ptr);
        return 0;
}
void func(int **pp)
        int num=10;
        *pp=#
}
80. What is the output of the following program.
#include<stdio.h>
void func(int x,int y);
int main(void)
{
        int a=5,b=8;
        func(a,b);
        printf("a=%d,b=%d\n",a,b);
        return 0;
}
void func(int x,int y)
{
        int temp;
        temp=*(&x), *(&x)=*(&y), *(&y)=temp;
}
81. What is the output of the following program.
#include<stdio.h>
void func1(int *ptr);
void func2(int **pptr);
```

```
int main(void)
        int arr[5]={1,2,3,4,5};
        int *p=arr;
        printf("p = %p,\t",p);
         func1( p);
        printf("p = %p,\t",p);
         func2(&p);
        printf("p = \%p\n",p);
        return 0;
}
void func1(int *ptr)
        ptr++;
void func2(int **pptr)
{
        (*pptr)++;
}
82. What is the output of the following program.
#include<stdio.h>
void func(int a[10]);
int main(void)
        int arr[10];
         func(arr);
        return 0;
}
```

```
void func(int a[10])
        int b[10],x=5;
         a=&x;
        b=&x;
}
83. What is the output of the following program.
#include<stdio.h>
int main(void)
        int arr[3][4];
        printf("%p\t",arr);
         printf("%p\t",arr[0]);
         printf("%p\n",&arr[0][0]);
        printf("%u\t",sizeof(arr));
         printf("%u\t",sizeof(arr[0]));
         printf("%u\n",sizeof(arr[0][0]));
         return 0;
}
84. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int arr[3][4][5];
         printf("%p\t",arr);
         printf("%p\t",arr[0]);
         printf("%p\t",arr[0][0]);
         printf("%p\n",&arr[0][0][0]);
```

```
printf("%u\t",sizeof(arr));
         printf("%u\t",sizeof(arr[0]));
         printf("%u\t",sizeof(arr[0][0]));
         printf("\%u\n", size of (arr[0][0][0]));
         return 0;
}
85. What is the output of the following program.
#include<stdio.h>
void func(int a[]);
int main(void)
         int arr[10] = \{1,2,3,4,5,6,7,8,9,10\};
         func(arr+3);
         return 0;
}
void func(int a[])
{
         int i;
         for(i=0; a[i]!=8; i++)
         printf("%d ",a[i]);
}
86. What is the output of the following program.
#include<stdio.h>
void swap(int *b,int *c);
int main(void)
         int i,j;
         int arr[10]=\{3,2,4,1,5,9,8,10,7,6\};
```

```
for(i=0; i<10; i++)
          for(j=0; j<10-i-1; j++)
                  if(*(arr+j) > *(arr+j+1))
                           swap(arr+j,arr+j+1);
         for(i=0; i<10; i++)
                  printf("%d\t",arr[i]);
         printf("\n");
        return 0;
}
void swap(int *b,int *c)
        int temp;
         temp=*b, *b=*c, *c=temp;
}
87. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int i,arr[3][4] = \{\{10,11,12,13\},\{20,21,22,23\},\{30,31,32,33\}\};
        int *pa[3];
        int (*p)[4];
         p=arr;
         for(i=0; i<3; i++)
                  pa[i]=arr[i];
         printf("%d %d %d\n",pa[0][0],pa[0][1],pa[2][3]);
         printf("%d %d %d\n",p[0][0],p[0][1],p[2][3]);
         return 0;
}
```

```
88. What is the output of the following program.
#include<stdio.h>
#include<stdlib.h>
int *func1(void);
int *func2(void);
int main(void)
        int *ptr1,*ptr2;
        ptr1=func1();
        ptr2=func2();
        printf("%d %d\n",*ptr1,*ptr2);
        free(ptr2);
        return 0;
}
int *func1(void)
        int a=8,*p=&a;
        return p;
}
int *func2(void)
{
        int *p;
        p=(int *)malloc(sizeof(int));
         *p=9;
        return p;
}
89. What is the output of the following program.
#include<stdio.h>
int main(void)
```

```
{
        int i,arr[3][4]={ \{10,11,12,13\},\{20,21,22,23\},\{30,31,32,33\}\};
         int *p=&arr[0][0];
         for(i=0; i<12; i++)
                  printf("%d ",p[i]);
         printf("\n");
        return 0;
}
90. What is the output of the following program.
#include<stdio.h>
int main(void)
        int a[2][3];
        a[1][2]=9;
        printf("%d\n",a[1,2]);
        return 0;
}
91. What is the output of the following program.
#include<stdio.h>
int main(void)
{
        int a[5]={1},b[5]={1};
        if(a==b)
                  printf("Same\n");
         else
                  printf("Different\n");
         return 0;
}
```