CODE WAR 2k17

Qualifiers Round Language : C language

Time: 15 min Marks: +2 for correct

Name: email: -1 for Incorrect

\*Tick the right answer for the objective questions. Write the code snippet only, wherever asked not the entire code.

Q1. void fun( int \*p) For the given code find the output of the program?

{ A. 10

int q=10; B. 20

p=&q; C. Compiler Error

} D. Runtime Error

int main()

{

int r=20; int \*p=&r;

fun(p);

printf(“%d”,\*p);

return 0;

}

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Q2. int main() The program would print (addresses are not actual

{ values rather theoretical)?

int arr[5];

printf(“%u %u”, arr+1, &arr+1); A. 2004 2004

return 0; B. 2004 2020

} C. 2004 2008

D. Yields error since arrays can’t be referred using

address of Operator.

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Q3. void print(int arr[])

{

int n=sizeof(arr)/sizeof(arr[0]); The programme prints?

int i=0; A. 123

for(;i<n;i++) B. Compile Error

{ C. Runtime error

printf(“%d”, arr[i]); D. 1

}

}

int main()

{

int ar[]={1,2,3};

print(ar);

return 0;

}

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Q4. int main()

{

int i,j; What should be the content of the array b?

char a[2][3]={{‘a’,’b’,’c’},{‘d’,’e’,’f’}}; A. a b

char b[3][2]; c d

char \*p=\*b; e f

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

{

B. a d

for(j=0;i<3;j++) b e

{ c f

\*(p+2\*j+i)= a[i][j]; C. a c

} e b

} d f

} D. a e

d c

b f

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Q5. int \*a() int \*b() int \*c()

{ int x= 10; { int \*px; { int \*px;

return (&x); px=10; px= (int \*)malloc(sizeof(int));

} return (&px); px=10;

} return (&px);

}

Which one of the above three functions are likely to cause problems with pointers?

1. Only a
2. Only a and c
3. Only b and a
4. Only c

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Q6. . Output of following program?

|  |
| --- |
| #include <stdio.h> A. 4 3 2 1  int main() B. 1 2 3 4  { C. 0 0 0 0       static int i=5; D. Runtime error due       if(--i){ stack overflow           main();           printf("%d ",i);       }  }  ------------------------------------------------------------------------------------------------------------------------------------------------------- |
|  |

Q7. int arr[4]= {1 , 2 ,3, 4} , t=0; What will be the final state of the array ? If you believe

int size= sizeof( arr) / sizeof(int); there is something wrong with the code then fix it .

for(int i=0;i<=size/2;i++) (write the single line code snippet for fixing the error)

{

t=arr[i];

arr[i] = arr[size – i -1]

arr[size –i -1] = t;

}

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Q8. In the context of the following printf() in C, pick the best statement.

* 1. printf(“%d”,8); A. Only 1. would compile and will print 8
* 2. printf(“%d”,090); B. Both 1. and 2. Would compile and print 8 and 90
* 3. printf(“%d”,00200); C. All 1. 2. 3. And 4. Would compile successfully
* 4. printf(“%d”,0007000); D. 2. wont compile successfully .

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Q9. #include <stdio.h> In the given Code how many times “GeeksQuiz” will be

#define PRINT(i, limit) do \ printed?

{ \ A. 1

if (i++ < limit) \ B. 3

{ \ C. 4

printf("GeeksQuiz\n"); \ D. Compile time error

continue; \

} \

}while(1)

int main()

{

PRINT(0, 3);

return 0;

}

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Q10. int main() So it will show what

{ A. 7 6 3

int i=5; B. 5 6 7

printf(“%d %d %d”,i++,i++,i++); C.7 7 7

return 0; D. Cant Say? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

} Specify Reason……..

Q11. #include<stdio.h> What will this code result in?

int main() A. Compilation error

{ B. Runtime error

printf(“%d”,main); C. Garbage Value

return 0; D. print an address of \_\_\_\_\_\_\_\_\_\_. (write if this option)

}

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Q12. void the\_duh\_function( int s , …) What will be the output?

{ A. 34567

printf(“%d”,s); B. Runtime error

} C. Compile time error

int main() D. 3

{

the\_duh\_function(3,45,67);

return 0;

}

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Q13. Write one line of code to find whether a number is even or odd. The catch is not to use modulus.

Operator. (\*\* Bonus mark here)

int num=3;

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//////here goes your code/////////

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Q14. void main()

{

int i=10;

static int x=i;

if(x==i)

printf("Equal");

else if(x>i)

printf("Greater than");

else

printf("Less than");

} ////

///// AND THE OUTPUT OF THE PROGRAM IS ?

A. Equal

B. Greater than

C. Less than

D. Compilation error

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Q15. Look at the algorithm given:

What will be the state of reversenum after this . Is it the right output?

int number=234; if not suggest the fix

int t=number,reversenum=0;

while(t!=0)

{

reversenum=reversenum\*10+t/10;

t%=10;

}

3