

Task 2: Conceptual Questions in programming

1. what is the value assigned to the variable, x , if
6 is 7

$x = 7 > 8 ? 5 << 3 : 7 > 4 ? 7 >> 1 : 6;$

2. what will be printed by the code below?

int main()

```
{  
    printf("Hi friend");  
    return 0;  
}
```

3. what will be printed as the result of the operation below?

int main()

```
{  
    char a=5, b=9;  
    printf("%d\n", a&b);  
    return 0;  
}
```

4. what is the value assigned to the variable, z , if

int main(void)

```
{  
    int a=0, b=1;  
    if (!a)
```

```
{  
    }
```

generating an error. Let's see what

Output 1:

11, which is the value of the variable.

Error: function not defined properly

F 0 2

Output 2:

30, which is the value of the variable.

20

(Union fn)

Output 3:

main i=0

variable = 65536 It is because of the fact,

main i=101

variable = 65536

→ use void main either int main

faulty code

(Union fn)

(P=2, Z=0 void)

(global variable)

0 under

Output 4:

3.140000

Learn C

followed by C++, Java

so here the output is coming in infinite loop

So turn that into an finite loop and execute.

6 = !a;
if (6)
a = !b;
} else
printf("%d", a);
return 0;

is Jangno

5 what will be printed as the result of the operation
below?

int main()
{
int x=5, y=-11, a=3, b=8; // Date: 2016. 11. 18. with
int z = x++ - -y * b/a;
printf("%d", z);
return 0;

is Jangno

6 what will be printed as the result of the operation
below?

int main()
{
char a=5, b=9;
printf("%d", b>>1);
return 0;

is Jangno



Output 6:

2.

→ here the error is invalid operands to binary \div = 0

so instead use the symbol \approx instead of \div

Output 7:

0.000.000.00 to 2.000.000.00

Output 8:

The sixth sick sheikh fr ~~s=s~~ sixth ship is sickle

Output 9:

fourty four all to floor all to botting ad New take

7. find the output

```
#include <stdio.h>
main()
{
    int i;
    int *pi = &i;
    scanf("%d", pi);
    printf("%d\n", i+5);
}
```

Output

10

15

8. find the output

```
double f(double n)
{
    if(fabs(x*x-3)<0.01) return x;
    else return f(x+1.0/n);
}
```

9. char inchar = 'A';

switch (inchar)

{

Case 'A':

printf("choice A\n");

Case 'B':

printf("choice B");

Case 'C':

Case 'D':

Case 'E':

default:

printf("No choice");

Output:

Hello

Hello

depth ab Earth
<depth> distance
Water }
} 1 fm

$\Delta h = 10^3 \text{ dyne/cm}^2$
 (dyne/cm^2)
 (cm^2/N) Hertz

depth ab Output
pressure (output)

$\Delta P = (\rho g) \Delta h$
 $\Delta P = (\rho g) (H - h)$
 $\Delta P = \rho g (H - h)$

$\Delta P = \rho g (H - h)$
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10. what output will be generated by the given code segment
if:

Line 1 is replaced by "auto int a=1;"

Line 2 is replaced by "register int a =2;"

int a,b,c=0;

void prt fun(void);

int main()

{

 static int a=1; /* Line 1 */

 prtfun();

 a+=1;

 prtFun();

 printf("\n%d %d", a,b);

}

 void prtfun (void)

{

 static int a=2; /* Line 2 */

 int b=1,

 a+=++b;

 printf ("\n%d.%d.%d", a,b);

}

Result: The program

successfully.

VEL TECH - CSE	
LX NO.	25
PERFORMANCE (5)	3
RESULT AND ANALYSIS (3)	✓
RECORD (4)	✓
TOTAL (15)	12
SIGN WITH DATE	

is generated and verified