

### Task 2: Conceptual Questions in programming

1. what is the value assigned to the variable  $x$  if  $b$  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 friends" + 3);
    return 0;
}
```

3. what will be printed as the results 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  $z$ ?

```
int main(void)
{
    int a = 0, b = 1;
    if (1 & a)
    {
        z = a + b;
    }
}
```

Output 1:

error: function not defined properly

Output 2:

30

20

Output 3:

main i = 0

variable = 65536

main i = 101

variable = 65536

→ use void main either int main

Output 4:

3.140000

Output 5:

Learn C

followed by C++, Java

so, here the output is coming in infinite loop

so turn that into an finite loop and execute.

```

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

```

5. What will be printed as the result of the operation below?

```

int main()
{
int x=5, y=-11, a=3, b=8;
int z = x++ - y * b / a;
printf("%d", z);
return 0;
}

```

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;
}

```



Output 6:

2.

→ here the error is invalid operands to binary!  
so instead use the symbol "i" instead of "j"

Output 7:

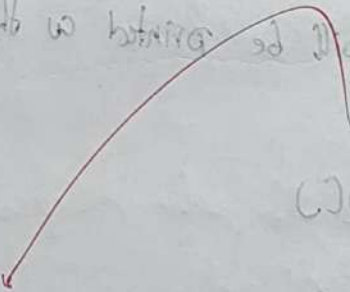
020.000 00 2.000 000

Output 8:

The sixth sick sheikh's sixth ship is sick

Output 9:

4 3 4



4 3 4 2 0 0 0

7. find the output

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

01/10/2020

all day

all day

8. find the output

```
double f(double x)
{
    if (abs(x*x - 3) < 0.01) return x;
    else return f(x/x + 1/x);
}
```

9. char in char = 'A';

```
switch (inchar)
{
    case 'A':
        printf("choice A\n");
    case 'B':
        printf("choice B\n");
    case 'C':
    case 'D':
    case 'E':
    default:
        printf("No choice\n");
}
```

VELT TECH - C++	
NAME	
PERFORMANCE (5)	
PROJECT ANALYSIS	
RECORD (4)	
TOTAL (15)	
DATE	

Output:

Hello

Hello

Input to the  
<2016> 2016  
Write

$i = 1$

$(a[i] * b[i])$

$(2 * 1) = 2$

Input to the

$(a[i] * b[i])$

we need  $(1, 0) (2, 1) (3, 2) (4, 3) (5, 4) (6, 5) (7, 6) (8, 7) (9, 8) (10, 9)$

$(a[i] * b[i])$

$A = 10$

$(a[i] * b[i])$

$A = 10$

$(a[i] * b[i])$

$A = 10$

$(a[i] * b[i])$

$A = 10$

$A = 10$

$A = 10$

$A = 10$

$(a[i] * b[i])$



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 */
```

```
prt fun();
```

```
a+=1;
```

```
prt fun();
```

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

```
{}
```

```
void prt fun(void)
```

```
{
```

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

```
int b=1;
```

```
a+=++b;
```

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

```
}
```

Result: The program is executed and verified successfully.

VEL TECH - CSE	
EX NO.	28
PERFORMANCE (5)	8
RESULT AND ANALYSIS (3)	2
RECORD (4)	
TOTAL (15)	10
SIGN WITH DATE	