CSA0257 – C Programming for Database Management

ANALYTICAL QUESTIONS

22.03.2023

**Q.1 What will be the output of the below program?**

#include<stdio.h>

int main()

{

char a[] = "%d\n";

a[1] = 'c';

printf(a, 65);

return 0;

}

OUTPUT: A

**Q.2 What is the output of the program given below?**

#include<stdio.h>

int main()

{

char stri[20], \*p;

printf("Enter the string\n:");

scanf("%s", stri);

p=stri;

while(\*p != '\0')

{

if(\*p >= 97 && \*p <= 122)

\*p = \*p-32;

p++;

}

printf("%s",stri);

return 0;

}

OUTPUT:

Enter the string: sanjai

SANJAI

## Q3. What will be the output of the below program?

#include<stdio.h>

main()

{

   int a[3] = {1,,2};

   printf("%d", a[a[0]]);

}

OUTPUT:

2

## Q4.Find out whether both the loops in a program prints the correct string length?

#include<stdio.h>

main()

{

   int j;

   char s[] = "welcomeuall";

   for(j=0; s[j]; ++j);

      printf("%d \n", j);

   j=0;

   while(s[j++]);

      printf("%d ", j);

}

OUTPUT:

11

12

**Q5.Point out the compile time error in the program given below.**

#include<stdio.h>

int main()

{

int \*x;

\*x=100;

return 0;

}

While reading the code there is no error, but upon running the program having an unitialised variable can cause the program to crash (Null pointer assignment).

**ANS:**

#include<stdio.h>

int main()

{

int y;

int \*x=&y;

\*x=100;

Return 0;

}

**Q6. Point out the error in the program**

#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;

}

ANS:

#include<stdio.h>

int main()

{

int a[] = {10, 20, 30, 40, 50};

int j;

for(j=0; j<5; j++)

{

printf("%d\n", a[j]);

a++;

}

return 0;

}

L value required.

**Q7.What will be the output of following program ?**

#include <stdio.h>

**int** main()

{   **int** a[5]={1,2,3,4,5},b[5]={10,20,30,40,50},tally;

**for**(tally=0;tally< 5;++tally)

        \*(a+tally)=\*(tally+a)+ \*(b+tally);

**for**(tally=0;tally< 5;tally++)

**printf**("%d ",\*(a+tally));

**return** 0;

}

OUTPUT:

11 22 33 44 55