Round 3 (HR Round)

1. Tell me a brief about you?
2. Explain brief about your college project? What was your role in that project? Which technology did you used? what are the features of the technology used?
3. Explain Emertxe C project? (LSB Steganograp
   Just what the project is all about?
4. What do you know about this job profile? (Functional safety engineer)
5.

Company name : Aven Systems pvt. Ltd

Aptitude :

1) There are 5 farmers including me, Each farmer has 5 rooms. Each room has 5 buffaloes and each buffalo has 5 child buffaloes. Now find total number of legs present.

2) Banana + Carrot = 20
Banana + Apple = 24
Carrot + Apple = 10
Banana + Carrot + Apple = ?

3) 1, 8, 27, 64, 100, 125, 216 odd man out.

4) Five years ago, the average of 3 members of a family is 27 years. A child has born and now the average of family is 25. Find the present age of child.

5) Find the next word . FAB, GAD, HAF, IAH, —

6) Two members participated in election. One member got 55% votes in which 30% are invalid. The total number of votes are 4500. Find the total no. of votes got by another member.

7) Raju did 150 runs in his 18th innings and his average increased by 6. Find the average after his 18th innings.

8) 14, 28, 19, 38, 29, 58. — Find next number.

9) A person completed 35m on 4 sides of square track. The average speed of that person is 9 m/s. Find the time and can find in kmph after converting.

10) Find the angle if the clock is at 2:30.

1. Aptitude

Arun

1. There are 5 farmers. Each farmer has 1 rooms. each room has 5 bag cows. each big cows have 5 little cows. Howmany legs are there?

2. Odd man out Series 2 questions

3. Pattern finding

~~ACH~~, ~~BDH~~, AFH, BGH, ...

4. ~~Qns~~ To find the Order.

1. RAINBOW
2. RAIN
3. SUN
4. HAPPY
5. CHILD

. find the correct orde

a. 1 2 3 4 5

b. 1 4 3 2 5

c. 5 4 3 2 1

d. 2 3 1 5 4

5. ~~to~~ Average problem (

6. Age problem

7. % problem

8. Apple + Orange = 14

Apple + carrot = 20 Then find Apple + carrot + banana?

Carrot + Banana = 24

Company Name : Avin Systems

Aptitude:

1. 8, 27, 64, 100, 125, 216, 343 find odd man out?

2. FAB, GAD, HAF, IAH find next word?

3. There are five farmers including me, Each farmer has 5 rooms. Each room has 5 buffaloes and each buffalo ha 5 child buffaloes. Now find total number of legs preser

4. $\frac{2}{3}$rd of $\frac{3}{5}$th of $\frac{1}{4}$th of a number is 250. find the 60% of that number.

5. Banana + carrot = 20
   Banana + Apple = 24
   carrot + Apple = 10
   Banana + carrot + Apple = ?

6. Five years ago, the average age of 3 members in a family is 27 years. A child has born to them and now the age average is 25 years. At present the age of child is ?

(6) Raju did 150 runs

(7) A cricket player in his 18th innings, he did 150 runs and the average has increased to 6. Find the average after he finished his 18 innings?

(8) In an election of two candidates, one candidate got 55% of votes in which 30% votes are invalid. The total number of votes are 7500. Find the total number of votes got by another candidate?

(9)

Avin Systems

k. Bhagyasri

⇒ ① English skills

Any general topic which test our English & communication skills (15 minutes) (2 topics)

⇒ Aptitude test:-

⇒ Election votes (Percentage)

⇒ Father and son ages (Ex:- 15 years ago, after 15 years)

⇒ ~~L.C.M~~ ('which the greater number divisible by 12, 14, LCM some number)

(L.C.M & H.C.F concept)

⇒ 15% of 13% of x number equal to 20 then find (x)
(some) (some num) (some num)

(Percentage)

⇒ number systems (finding number of legs of animals)

⇒ Clock sums (finding angle between minute and hours)

⇒ find odd number

⇒ find the alphabate series

⇒

Avin Systems

k. Bhagyasri

⇒ (1) English skills

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⇒ Clock sums (finding angle between minute and hours)

⇒ find odd number

⇒ find the alphabate series

⇒

C concept test!-

⇒ finding the size of empty structure?

⇒ problems on *x++, concepts.

⇒ while (1) and. which which run fast iwhile(1) or while(1+2+3)

⇒
```
#define c 50 [macro]
int main()
{
#define c 50
printf("%d", c);
#define 150
Printf("%d", c)
printf("
}
```

⇒ how work switch.case without break

⇒ some logical gate problems (bit wise ope

```
if (x++ && y++ || x++)
```

⇒ pointer operations on string

⇒

① Logic for LCM

② $(-1 << 4)$

③ In a village 5 men are there. Each have 5 cow in 5 rooms and each cow have 5 baby cows, find total no. of legs.

④ A problem on filling a ~~tank~~.

⑤ Angle when time is 9:30;

⑥ 10kg apple cost = 24 kg Rice

6kg flour cost ⇒ ~~kg~~

1kg Flour cost = 20.5

find 6kg of apple cost + 3kg of Rice + 5kg of flour

⑦ problem of series of numbers

⑧ Rainbow
Child
Happy
Rain
Run
} → correct formation for this.

⑨ Problems on ages

⑩ Rahul is 10 years older than Sachin. Their ages are in ratio 6:7. find corresponding ages

⑪ 3/5 and 4/5 ⇒ which is greater than 3/5 and less than 4/5 given in options

D. Sumant

AVIN Syst

(12) FIG, HIJ, JIL - - - —

(13) A boy is running in a square good. Distance is 35 mts and his speed is 9 km/hr. Calculate the time taken.

(14) Banna + Apple = 15

Bannana + Carrot = 10

Carrot + Apple + Banna = ?

(15)

(12) FIG, HIJ, JIL - - - —

(13) A boy is running in a Square yard. Distance is 35 mts and his speed is 9 km/hr. Calculate the time taken.

(14) Banna + Apple = 15

Bannana + Carrot = 10

Carrot + Apple + Banna = ?

(15)

① Logic for LCM

② $(-1 << 4)$

③ In a village 5 men are there. Each have 5 cows in 5 rooms and each cow have 5 baby cows, find total no. of legs.

④ A problem on filling a ~~tank~~.

⑤ Angle when time is 2:30;

⑥ 10kg apple cost = 24 kg Rice

6kg flour cost = ~~24kg~~

1kg flour cost = 20.5

find 6kg of apple cost + 3kg of Rice + 5kg of flour

⑦ problem of series of numbers

⑧ Rainbow
Child
Happy
Rain
Run
} → correct formation for this.

⑨ Problems on ages

⑩ Rahul is 10 years elder than Sachin. Their ages are in ratio 6:9. find corresponding ages.

⑪ 3/5 and 4/5 → which is greater than 3/5 and less than 4/5 given in options

D. Sumanth

AVIN System

Q4. int main()
{
int num = 20;
int *p = #
int **q = &p;
~~int ****x =~~
~~print~~ int *p = 100;
printf("%d %d %d", num, *p, **q);

(a) 100, 100, 100 (b) 20, 100, 100 (c) compile error
(d) none.

Q5)

Avin Systems

Sushil Kumar Pradhan

I. Verbal section

1. Tell us about your college life experience in 10 sentences?
2. Describe yourself.

II. C- Programming ques

Q1. Choose the correct logic for finding LCM of two numbe

~~while(1)~~
{

=> from four logic in option we have to choose the correct one.

Q2.
```
int main()
{
    char str[] = "Hello World";
    char *p = str;
    display(*p);
}
void display(char *ptr)
{
    printf("%s", *ptr);
}
```
(a) Hello (b) Hello World (c) H (d) none

Q3)
```
int main()
{
    printf("%d", -1<<4);
}
```
(a) fffffff0 (b) compile error (c) runtime error (d)

Q4. int main()
{
int num = 20;
int *p = #
int **q = &p;
~~int ****x =~~
~~print~~ int *p = 100;
printf("%d %d %d", num, *p, **q);

(a) 100, 100, 100 (b) 20, 100, 100 (c) compile error
(d) none.

Q5)

Name: Poornachandra.H.D
Company: Affn Systems

① struct emp
{
};
int main()
{
struct emp xyz;
printf("%d\n", sizeof(xyz));
}

NOTE: Size of int is 4 bytes.

(a) 2 (b) 4 (c) 8 (d) 0

② int main()
{
char p[] = "PQRSTUV"; or char *p = "PQRSTUV";
printf("%s", p + p[1] - p[0]);
}

(a) Compilation error (b) Run-time error (c) STUV (d) QRSTUV.

②

Arin

1) one fourth of two third of three forth of number is 50. what is the 60% of number

2) There a 5 farmers with Included me. Each farmer has 5 rooms. Each room has 5 cows. How legs are there in room.

3)
```
#include <stdio.h>
Int main()
 {
   printf("%.x\n", ~1<<3);
 }
```

4) Finding a L.C.M

5) problem on number series

6) problem on ages

R. Shoba
Qwin system.

Aptitude :-

1. Average
2. Ratio
3. percentage
4. Number series
5. pipes
6. Speed and distance
7. FAD GAF HAH IAH ____
8. Ages.
9. Divide rule
10. Greater than 3/4 and less than 5/6.

Verbal :-

1. 10 sentences about college experience.
2. Describe about yourself.

C Programming :-

1. Bit fields
2. problems on bitwise operators
3. macros
4. Finding LCM
5. Dis advanteges of arrays.
6. Concept of static
7. Concept of extern.

Narra Naga Mounika
Avin Systems

English

1. write a 10 Sentences about college experience.
2. Decribe about your self.

Aptitude

1. problems on AVerages
2. Ratios
3. Numberseries
4. Ages
5. Ratios
6. PerCentages
7. Pipes

'C' Programming

1. Problems on BitWise Operators.
2. Macros
3. Structures
4. Concepts Related to static, extern
5. dis advantages of arrays
6. Find the L.C.M

Athira Vijayakumar

Arvin Systems.

1. Explain your college experiences in 10 sentences.
2. Describe yourself.

1. Find the logic for LCM.
2. which is faster while(1) or while(9+5+3)
3. Storage classes.
4.
```
main()
{
  int var;
  int x=5;
  var = return 3;
  printf("%d %d", x, var);
}
```
5. Questions from macro.
```
#define VALUE (x,y)
main()
{
  int i=1, j=3
  printf("%d %d\n", VALUE (i+j, 3));
}
```
6. Find the o/p
```
main()
{
  char array[10] = "hello world";
```

```
char *ptr=arr;
printarray(*str);
}
void printarray(char *s)
{
  printf("%s\n", s);
}
```

7.
```
#define * x 500
main()
{
  printf("%d\n", x);
  #define x 100
  printf("%d\n", x);
}
```

8. General Aptitude related to age, number series, time and work, average, interest.

9. Find the value of pink?
enum Colour {white=0, blue=5, pink, orange}.

10. Questions related to pointers.

Sweathy Santhosh.

Avio system

1. find the logic for LCM.
2. which is faster while(1) or while (9+8+5+7)
3. Questions from storage class (static int, extern)
4. Questions from switch and if_else (like find output).
5. find output for -1<<3.
6. ~~find~~ Questions from bitwise operators.
7. find the value of pink ?

```
enum colour {white=0, blue=5, pink, orange}
```

8. Questions based on post increment and pre increment.
9.
```
main()
{
int var;
int x=5;
var = return 3;
printf("%d %d", x, var);
}
```

10. Questions from macro.

```
#define VALUE(x,y)   x/y+x.

main()
{
int i=1, j=3.
Printf("%d\n", VALUE(i+j, 3));
}
```

11. find the o/p.

```
main()
{
char array[10] = "hello world"
```

```
char *ptr = arr;
Printarry (*str);
}
void printarray (char *s)
{
printf ("%s\n", s);
}
```

12. ~~Questions from~~ General aptitude questions (find age, find interest, number series, letter series, time and work, ~~or~~ find average)

13.
```
#define x 500
main()
{ printf ("%d\n", x);
#define x 50
printf ("%d\n", x);
#define x 100
printf("%d\n", x);
}.
```

14. Describe yourself

15. Explain your college experience is 10 sentences.

Southi Unnikrishnan

Avin System

1. Find the logic for LCM
2. which is faster, while(1) or while(9+8+7+5)
3. questions from storage class. (static, extern)
4. questions from switch and if case
5. Find out -1 << 3
6. questions from bitwise operations
7. enum colour {white, Blue = 5, Pink, Orange}

   Find value of pink ?.
8. questions based on post increment and pre increment
9.

```
main()
{
int var;
 int x = 5
var = return 3;
Printf("%od %od", x, var);
}
```

10. # define VALUE(x,y) x|y + x

```
main()
{
int i=1, j=3
** Printf("%od\n", VALUE(i+j, 3));
}
```

11. Find the output

```
main()
{
char array[10] = "hello world";
```

```
char * str = arr;
Print_array (&str);
}
void print_array (char *s)
{
Printf ("%os \n", s);
}
```

12, question from general aphlude (number series, letter series, Interest, age problem, time and work, average,)

13,
```
# define x 500
main ()
{ Printf ("%d \n", x);
# define x 50
Printf ("%d \n", x);

# define x 100
Printf ("%d \n", x);
}
```

17) Describe yourself ?.

18) Explain your college experience?.

14,
```
struct employee
  {
  }
struct s1[10];
Printf ("%d", sizeof (s1));
```

15, questions from structure and union.

16,
```
union employee
    {
    int i;
    char ch[2];
    }
    ch[0] = 2;   ch[1] = 3;
```

```
char *str = arr;
Print_array (*str);
}
void print_array (char *s)
{
 ntf ("%os \n", s);
```

from Room general aptitude (number series, letter series, age problem, time and work, average,)

```
ine   x   500
)
if ("%d \n", x);
e   x   50
 "%d \n", x );

   x   100
 'd \n", x);
```

17) Describe yourself ?.

18) Explain your college experiences?.

```
ect (s1);
```

Structure and union.

```
ch[1] = 3;
 \n", ch[0], ch[1], i);
```

```
char *str = arr;
Print_array (*str);
}
void print_array (char *s)
{
Printf ("%s\n", s);
}
```

12, question from general aphtitude (number series, letter series, interest, age problem, time and work, average,)

```
13, #define x 500
main()
{ Printf ("%d\n", x);
# define x 50
Printf ("%d\n", x);

# define x 100
Printf ("%d\n", x);
}
```

17) Describe yourself ?.

18) Explain your college experiences ?.

```
14, struct employee
{
}
struct s1[10];
Printf ("%d", sizeof (s1));
```

15, questions from structure and union.

```
16, union employee
{
int i;
char ch[2];
}
ch[0] = 2;  ch[1] = 3;
Printf ("%c %c %d\n", ch[0], ch[1], i);
```

Avin

1. What is the angle b/w minute hand and hour hand at 2.30 pm.

2.
```
int main()
{
  int val, a=299, b=99;
    if (a>b)
      Val= return 299;
    else
      Val= return 99;
    printf("%d\t%d\t%d\t", a, b, val);
}
```

3. English → Write about yourself?

4. Write about your college experience?

Avin

1)
```
#include<stdio.h>
int main()
{
    int val, a=299, b=99;
    if(a>b)
      val= return 299;
    else
      val = return 99;
    Printf("%d \t %d \t %d \n", a, b, val);
}
```

2) L.C.M program code?

3)
```
#include<stdio.h>
int main()
{
    int k=5, *p, **q;
     p=&k
     q=&p
     k++;
     Printf("%d \t %d \t %d \n", k, *p, **q);
}
```

4) Keyword used to terminate the current execution of loop

a) Break b) continue c) return d) none

5)
```
#include<stdio.h>
union node
{
    int i;
    char ch[2];
};
```

```
int main
{
    union node u;
     u.ch[0] = 3;
     u.ch[1] = 2;
    Printf(" %d \t %d \t %d \n", u.ch[0], u.ch[1], u.i);
}
```

6)
```
#include<stdio.h>
int main()
{
    char str[] = "PQRSTUV";
    char *s = str;
     Print(*s);
    return 0;
}
void print(char **k)
{
    char *T = k;
    Printf("%s", T);
}
```

7)
```
#include <stdio.h>
int main()
{
    char str[] = "PQRSTUV";
     char *s = str;
    Printf("%s", s + s[3] - s[0]);
}
```

8) set Sachin is 10 years younger than Rahul and their ages are in 6:9 ratio. what is their ages now?

Avin

1) which is more faster while(1) or while(9+3+5)

a) while (1)

b) while (9+3+5)

c) depends on compiler

d) both are same.

2) Analyse the o/p.

```
char clr[5] = { Pink, white, blue, green }

char *clr[4] = { s+3, s+2, s+1, s }

ptr = clr;
ptr++;
Printf
Printf ("%s", ptr[1])
```

3) #define z x/x+y Assume x=-3, y=3

output will be

a) -4

b) -8

c) Zero division error

d) compile error.

S. Mathy Vadhana

AvinSystem

Verbal

Describe about Yourself

College Experience.

Aptitude

1) Average
2) Age
3) percentage
4) Pipe and cistern
5) Ratio
6) Number series
7) IAB, JAC, KAD ; ____
8) which is greater than $3/4$ and less than $6/5$
9) Divide rule
10) odd man out

C ~~Aptid~~ programming

1) Macro
2) Bitfields
3) which keyword is used to exit from ~~loops~~ current iteration
4) Logic to find LCM
5) disadvantages of arrays
6) which is faster among while(1) and while(1+2+3)
7) concept of static
8) concept of extern

PTO →

9 Concept of switch case.

10) constant pointer

11) infinite loop.