Question 1 of 10

What will be the o/p of following code

```
#include <stdio.h>
int main(void)
{
        int arr[3][2]={{1,2},{1},{5}};
        int i,j;
        int *ptr=*(arr+2);
        printf("\n %d",*++ptr+1);
}
```

- ○ 1
- ○ 0
- ○ Garbage
- ○ Complietime error

Question 2 of 10

```
#include<stdio.h>
#define COL 3
#define ROW 3
int main(void)
{
int arr[ROW][] = {{10,20,30},{11,22},{111}},i,j;
for(i=0; i<3; i++)
for(j=0; j<3; j++)
printf("%d",arr[i][j]);
return 0;
}
```

- ○ Compile time error
- ○ Run time error
- ○ Prints Array Elements
- ○ Prints array elements

Question 3 of 10

What will be the o/p of the following code

```
#include <stdio.h>
int main(void)
{
        int arr[2][2]={1,2,3,4};
        int i,j;
        for(i=0; i<2; i++)
        {
                for(j=0; j<2; j++)
                {
                        printf("%d %d ",*(*(arr+i)+j),*(*(arr+j)+i));
                }
        }

}
```

- ○ 11233244
- ○ 11233200
- ○ 12233344
- ○ 11333244

Question 4 of 10

```
#include <stdio.h>
int main(void)
{
        char arr[4][8]={"DAC","DMC","DESD","DBDA"};
        char *ptr = (char *)arr+1;
        printf("%s %c ",ptr,*(ptr+1));
}
```

- ○ DESD E
- ○ AC C
- ○ DAC A
- ○ DAC D

Question 5 of 10

What if 2D array is declared as
int arr[2][2]
and if we want to print the address of
arr[0][0] and arr[0][1]
i.e first row which of the following notation will be useful__

- ○ arr , arr+1
- ○ (int *)arr , (int*)arr+1
- ○ &arr, &arr+1
- ○ All of the above

Question 6 of 10

if i/p is given as
<programname> monday tuesday wednesday
what will be the o/p

```
#include<stdio.h>
int main( int argc,char* argv[])
{
        int i=1;
        printf("%c",++*argv[i]);
        return 0;
}
```

- ○ o
- ○ n
- ○ t
- ○ u

Question 7 of 10

What will be the o/p of the following program if i/p is given as
<programname> monday tuesday wednesday

```
#include<stdio.h>
int main( int argc,char* argv[])
{
        int i =0;
        for (i = 0; i < argc; ++i)
        {
                printf("%s\n",argv[i]);
                argv++;
        }
        return 0;
}
```

- programname wednesday
- programname tuesday
- Runtime Error
- programname monday

Question 8 of 10

What will be the output?

```
#include <stdio.h>
void main() {
        int a[2][3] = { 1, 2, 3, 4, 5 };
        int i = 0, j = 0;
        *a[0] = 2;
        *a[1] = 3;
        for (i = 0; i < 2; i++)
                for (j = 0; j < 3; j++)
                        printf("\t%d", a[i][j]);
}
```

- ○ 2 2 3 3 5 0
- ○ Compile Time Error
- ○ 1 2 3 4 5 2
- ○ 2 2 3 3 5 3

Question 9 of 10

If following program having name cmdline is run from the command line as "./a.exe Sunbeam Hinjewadi Marketyard Pune"

```
 #include<stdio.h>
int main(int argc, char *argv[],char *envp[])
{
argc--;
while(argc)
{
printf("%c ", argv[argc--][3]);
}
return 0;
}
```

- ekjb
- uaiu
- nrnn
- eee

Question 10 of 10

What will be the output of the following?

```
#include<stdio.h>
int main(void) {
        int a[][3] = { 11, 22, 33, 44, 55, 66 };
        int (*ptr)[3] = a;
        printf("%d %d ", (*ptr)[1], (*ptr)[2]);
        ++ptr;
        printf("%d %d\n", (*ptr)[-1], (*ptr)[-2]);
        return 0;
}
```

- 22 33 66 55
- 11 44 0 0
- 22 33 33 22
- 11 22 55 44

1. What will be the o/p of following code

```
#include <stdio.h>
int main(void)
{
        int arr[3][2]={{1,2},{1},{5}};
        int i,j;
        int *ptr=*(arr+2);
        printf("\n %d",*++ptr+1);
}
```

Answers

1. 1

2. 0

3. Garbage

4. Complietime error

2.

```
#include<stdio.h>
#define COL 3
#define ROW 3
int main(void)
{
int arr[ROW][] = {{10,20,30},{11,22},{111}},i,j;
for(i=0; i<3; i++)
for(j=0; j<3; j++)
printf("%d",arr[i][j]);
return 0;
}
```

Answers

1. Compile time error

2. Run time error

3. Prints Array Elements

4. Prints array elements

3. What will be the o/p of the following code

```
#include <stdio.h>
int main(void)
{
        int arr[2][2]={1,2,3,4};
        int i,j;
        for(i=0; i<2; i++)
        {
                for(j=0; j<2; j++)
                {
                        printf("%d %d ",*(*(arr+i)+j),*(*(arr+j)+i));
                }
        }

}
```

Answers

1. 1 1 2 3 3 2 4 4

2. 1 1 2 3 3 2 0 0

3. 1 2 2 3 3 3 4 4

4. 1 1 3 3 3 2 4 4

4. #include <stdio.h>
int main(void)
{
	char arr[4][8]={"DAC","DMC","DESD","DBDA"};
	char *ptr = (char *)arr+1;
	printf("%s %c ",ptr,*(ptr+1));
}

Answers

1. DESD E

2. AC C

3. DAC A

4. DAC D

5. What if 2D array is declared as
int arr[2][2]
and if we want to print the address of
arr[0][0] and arr[0][1]
i.e first row which of the following notation will be useful__

Answers

1. arr , arr+1

2. (int *)arr , (int*)arr+1

3. &arr, &arr+1

4. All of the above

6. if i/p is given as
<programname> monday tuesday wednesday
what will be the o/p
#include<stdio.h>
int main(int argc,char* argv[])
{
	int i=1;
	printf("%c",++*argv[i]);
	return 0;
}

Answers

1. o

2. n

3. t

4. u

7. What will be the o/p of the following program if i/p is given as
<programname> monday tuesday wednesday

```
#include<stdio.h>
int main( int argc,char* argv[])
{
        int i =0;
        for (i = 0; i < argc; ++i)
        {
                printf("%s\n",argv[i]);
                argv++;
        }
        return 0;
}
```

Answers

1. programname wednesday

2. programname tuesday

3. Runtime Error

4. programname monday

8. What will be the output?

```
#include <stdio.h>
void main() {
        int a[2][3] = { 1, 2, 3, 4, 5 };
        int i = 0, j = 0;
        *a[0] = 2;
        *a[1] = 3;
        for (i = 0; i < 2; i++)
                for (j = 0; j < 3; j++)
                        printf("\t%d", a[i][j]);
}
```

Answers

1. 2 2 3 3 5 0

2. Compile Time Error

3. 1 2 3 4 5 2

4. 2 2 3 3 5 3

9. If following program having name cmdline is run from the command line as "./a.exe Sunbeam Hinjewadi Marketyard Pune"

```
 #include<stdio.h>
int main(int argc, char *argv[],char *envp[])
{
argc--;
while(argc)
{
printf("%c ", argv[argc--][3]);
}
return 0;
}
```

Answers

1. e k j b

2. u a i u

3. n r n n

4. e e e

10. What will be the output of the following?

```
#include<stdio.h>
int main(void) {
        int a[][3] = { 11, 22, 33, 44, 55, 66 };
        int (*ptr)[3] = a;
        printf("%d %d ", (*ptr)[1], (*ptr)[2]);
        ++ptr;
        printf("%d %d\n", (*ptr)[-1], (*ptr)[-2]);
        return 0;
}
```

Answers

1. 22 33 66 55

2. 11 44 0 0

3. 22 33 33 22

4. 11 22 55 44