

PG-DESD - C Programming Twisters Activity

1. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    char *arr[] = {"SunBeam", "DAC", "WiMC", "Pune", "Karad"};
    char **ptr = arr + 2;
    printf("%s", ++ptr[arr-ptr] - 1);
    return 0;
}
```

2. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    int a[][2]={ 1, 2, 3, 4, 5, 6};
    int *p = (int *)a;
    printf("%d", p[5] - p[1]);
    return 0;
}
```

3. What will be the output of following program?

```
#include <stdio.h>
int main()
{
    char s[3][128] = {"SunBeam", "DAC", "WIMC"};
    char *p = s[1];
    s[0] = p;
    printf("%s", s[1]);
    return 0;
}
```

4. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    char s[3][128] = {"SunBeam", "DAC", "WIMC"};
    char *p = (char *)s[0];
    printf("%s", s[++p - s]);
    return 0;
}
```

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5. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    char s[3][128] = {"SunBeam", "DAC", "WIMC"};
    char *p = (char *)s[2];
    printf("%c%s", *p + *(p-1) - *p, ++p);
    return 0;
}
```

6. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    char s[3][128] = {"SunBeam", "DAC", "W I M C"};
    char *p = (char *)s[2];
    printf("%s", s[strlen(p) - strlen(s)]);
    return 0;
}
```