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Day15_POll_Questions
1.
What will be the output of the following code on 64 bit compliation
#include<stdio.h>
#include<stdlib.h>
int main()
{
    char *p=NULL; short int *q=NULL;
    p = (char *)malloc(sizeof(char)*20);
    q = (short int *)malloc(sizeof( short int)*20);
    printf("%d bytes\n", sizeof(p));
    free(p);
    p=NULL;
    return 0;
}
A. 4 bytes
B. 2 bytes
C. 8 bytes
D. 20 bytes
E. 40 bytes
Answer: C
2.
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
int main()
{
    char *ptr=NULL, s[]="Sun", d[]="Beam";
    ptr = (char *)calloc(1,30);
    strcat(ptr,d);
    strcat(ptr,s);
    printf("%d",ptr[strcmp("SunBeam",ptr)]);
    free(ptr);
    ptr=NULL;
    return 0;
}
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Day15_POll_Questions A. nothing B. 0

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C. Error: in free(ptr);
D. No error
E. Memory Leakage
Answer: B
3.
#include<stdio.h>
#include<string.h>
int main()
    #define sunbeam "Karad SunBeam\n"
    #define SUNBEAM "Pune SunBeam\n"
    #define Sunbeam strlen(SUNBEAM) - 2 * 2 * 2
    #ifdef SUNBEAM
         printf(SUNBEAM);
    #endif
    #ifdef SUNBEAM
        printf(Sunbeam+SUNBEAM);
    #endif
    return 0:
A. Pune SunBeam
  SunBeam<sup>®</sup>
B. Pune SunBeam
  Pune SunBeam
C. SunBeam
  SunBeam
D. Karad SunBeam
  SunBeam
E. Pune Sunbeam
  Sunbeam
Answer: A
```

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Day15_POll_Questions
4.
What is the output of the following code:
#include<stdio.h>
#define exp(a) a+a * 5 / a*a
int main( void )
{
    int x = exp(3+2) * 5;
    printf("Value of X=%d",x);
    return 0:
A. Value of X=27
B. Value of X=32
C. Value of X=20
D. compile time error
E. Value of X=28
Answer: A
5.
#include<stdio.h>
#define float double
int main( void )
{
    float pi=3.142f;
    float *i = &pi, j = 56.22f;
    double *I= (double*)&pi, J=56.22;
    printf("sizeof(i)=%d sizeof(j)=%d",sizeof(i),sizeof(j));
    return 0:
A. sizeof(i)=8 sizeof(j)=8
B. sizeof(i)=4 sizeof(j)=8
C. sizeof(i)=2 sizeof(i)=8
D. sizeof(i)=4 sizeof(j)=4
E. Error
Answer: B
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```