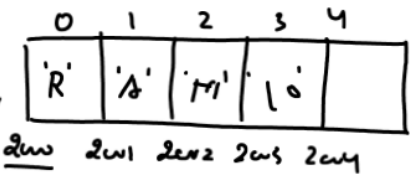
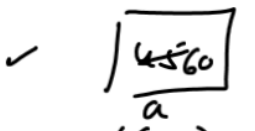
Single Dimensional Character Array (Strings)

```
int main()
{
  char str[5];
  printf("Enter name:");
  scanf("%s", str);
  printf("Hello %s", str);
  return 0;
}
```




```
Enter name: RAM
Hello RAM
```

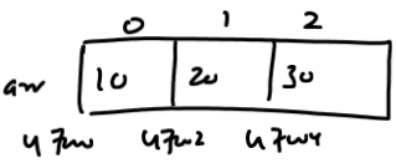
```
int a;
a = 45;
printf("Enter your age:");
scanf("%d", &a);
```




```
int arr[10];
.
.
.
scanf("%d", &arr[i]);
```

arr
&arr
&arr[0]
} Base address

int arr[3] = {10, 20, 30};



%d
↳ 32767

① printf("%d", arr);
7ffe

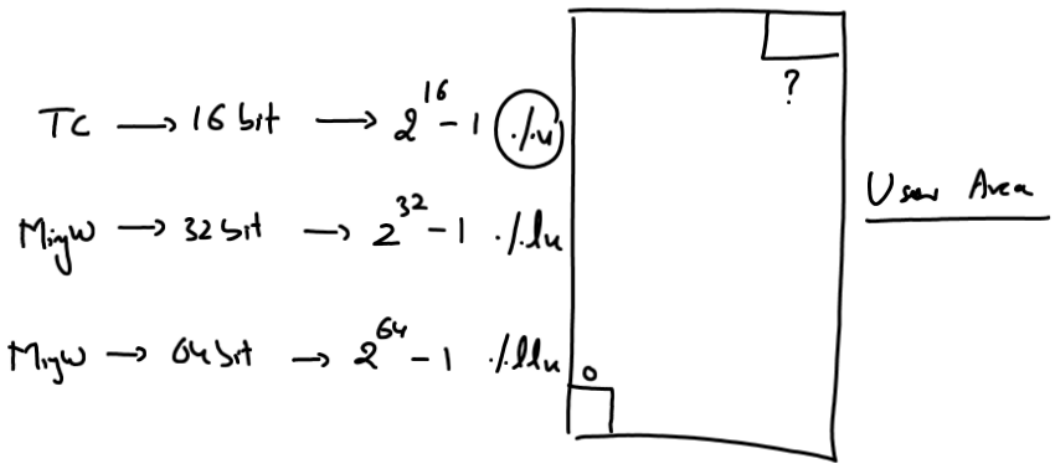
② printf("%d", &arr);
7ffe
%p

③ printf("%d", &arr[0]);
7ffe
%d

④ printf("%d", arr[0]);
10

arr	V/S	arr[0]
① Represents array name		① Represents array's 0th cell
② Will give base addr		② Will give value stored in arr[0]

int a;



char ch='A';

fprintf(".%c", ch);