**1. Word Reverse**

#include <stdio.h>

#include <string.h>

void printReverse(char str[])

{

int length = strlen(str);

// Traverse string from end

int i;

for (i = length - 1; i >= 0; i--) {

if (str[i] == ' ') {

// putting the NULL character at the

// position of space characters for

// next iteration.

str[i] = '\0';

// Start from next charatcer

printf("%s ", &(str[i]) + 1);

}

}

// printing the last word

printf("%s", str);

}

// Driver code

int main()

{

char str[] = "I AM A STUDENT";

printReverse(str);

return 0;

}

**OUTPUT : STUDENT A AM I**

**2. 32 bit/64 bit**

#include <stdio.h>  
#include <stdlib.h>  
#include<conio.h>  
int main(void)  
{  
switch (sizeof(void\*)){  
case 4: printf("32 bit System\n");  
break;  
case 8: printf("64 bit System \n");  
break;  
}  
getch();  
}

**OUTPUT : 64 bit System**

**3. Sorted Array**

#include <stdio.h>

void main()

{

int array1[50], array2[50], array3[100], m, n, i, j, k = 0;

printf("\n Enter size of array array A: ");

scanf("%d", &m);

printf("\n Enter sorted elements of array A: \n");

for (i = 0; i < m; i++)

{

scanf("%d", &array1[i]);

}

printf("\n Enter size of array B: ");

scanf("%d", &n);

printf("\n Enter sorted elements of array B: \n");

for (i = 0; i < n; i++)

{

scanf("%d", &array2[i]);

}

i = 0;

j = 0;

while (i < m && j < n)

{

if (array1[i] < array2[j])

{

array3[k] = array1[i];

i++;

}

else

{

array3[k] = array2[j];

j++;

}

k++;

}

if (i >= m)

{

while (j < n)

{

array3[k] = array2[j];

j++;

k++;

}

}

if (j >= n)

{

while (i < m)

{

array3[k] = array1[i];

i++;

k++;

}

}

printf("\n After merging Array C: \n");

for (i = 0; i < m + n; i++)

{

printf("\n%d", array3[i]);

}

}

**OUTPUT :**

**Enter size of array array A: 3**

**Enter sorted elements of array A:**

**2 4 5**

**Enter size of array B: 4**

**Enter sorted elements of array B:**

**5 7 8 9**

**After merging Array C:**

**2**

**4**

**5**

**5**

**7**

**8**

**9**

**9. CREATE/INSERT Query**

CREATE TABLE tbl\_students (

id int AUTO\_INCREMENT,

Name varchar(100) NOT NULL,

Gender varchar(100),

Age int,

date\_of\_birth date,

Religion varchar(100) DEFAULT 'None',

PRIMARY KEY (id)

);

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INSERT INTO tbl\_students (id, Name, Gender, Age, date\_of\_birth)

VALUES (1,'Amit', 'male', 24, '1990-07-12');

INSERT INTO tbl\_students ( Name, Gender, Age, date\_of\_birth,Religion)

VALUES ('Ganesh', 'male', 34, '1980-03-21','Christian');