

43. Write a program using pointers to compute the sum of all elements stored in an array.

Appointments Meetings

main()

```
{
int *p, sum, i;
int x[5] = { 5, 9, 6, 3, 7 };
i = 0;
p = x; /* initializing with base address of x */
printf("Element Value \ Address \n \n");
while (i < 5)
{
printf("x[%d] %d %u \n", i, *p, p);
sum = sum + *p; /* accessing array element */
i++, p++; /* increment pointer */
}
printf(" \n sum = %d \n", sum);
printf(" \n &x[0] = %u \n", &x[0]);
printf(" \n p = %u \n", p);
}
```

OUTPUT:

Element	value	Address
x[0]	5	166
x[1]	9	168
x[2]	6	170
x[3]	3	172
x[4]	7	174
sum =	55	
&x[0] =	166	
p =	176	