

P.4

* Write an AVR C Program to send values of -4 to +4 to Port B.

```
#include <avr/io.h>
```

```
void main()
```

```
{  
    char mynum[] = {-4, -3, -2, -1, 0, +1, +2, +3, +4};  
    unsigned char z;
```

```
    DDRB = 0xFF;
```

```
    for (z=0; z<=8; z++)
```

```
        PortB = mynum[z];
```

```
    while (1);
```

```
}
```

P.5

* Write an AVR C Program to toggle all bits of Port B 50,000 times.

```
#include <avr/io.h>
```

```
void main()
```

```
{
```

```
    unsigned int z;
```

```
    DDRB = 0xFF;
```

```
    for (z=0; z<50000; z++)
```

```
{
```

```
        PortB = 0x55;
```

```
        PortB = 0xAA;
```

```
}
```

```
    while (1);
```

```
}
```

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