

Lab 2

Source Code and Output

To use getchar and putchar

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    char ch = getchar();
    putchar(ch);
    putchar('\n');
    system("pause");
    return 0;
}
```

E:\082bct037\Computer_Lab\lab2\1_get_put_char.exe

```
y
y
Press any key to continue . . .
```

To use gets and puts

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    char str[20];
    gets(str);
    puts(str);
    putchar('\n');
    system("pause");
    return 0;
}
```

E:\082bct037\Computer_Lab\lab2\2_gets_puts.exe

```
hello everyone
hello everyone
Press any key to continue . . .
```

To calculate KE and PE

```
#include <stdio.h>
#include <stdlib.h>
```

```
int main()
{
    float m, ke, pe;
    int h, v;
    float g = 9.8;

    printf("Enter mass, height and velocity : ");
    scanf("%f, %d, %d", &m, &h, &v);
```

E:\082bct037\Computer_Lab\lab2\3_KE_PEc.exe

```
Enter mass, height and velocity : 71.1191, 10, 16
Kinetic Energy: 9103.25
Potential Energy: 6969.67
Press any key to continue . . .
```

```

ke = 0.5 * m * v * v;
pe = m * g * h;

printf("Kinetic Energy: %.2f \nPotential Energy: %.2f \n", ke, pe);
system("pause");
return 0;
}

```

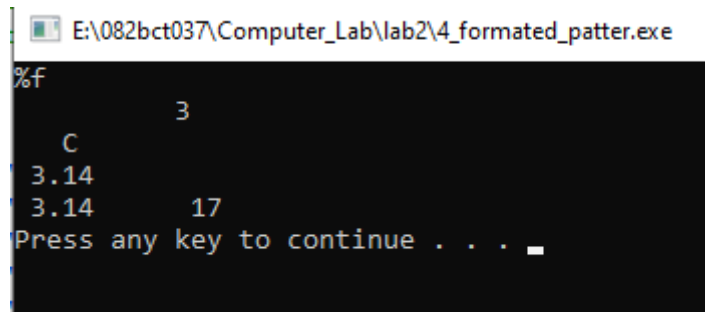
To display formatted outputs

```

#include <stdio.h>
#include <stdlib.h>

int main()
{
    printf("%%f\n");
    printf(" %10d\n", 3);
    printf(" %3c\n", 'C');
    printf(" %.2f\n", 3.14);
    printf(" %.2f%8d\n", 3.14, 17);
    system("pause");
    return 0;
}

```



```

E:\082bct037\Computer_Lab\lab2\4_formatted_patter.exe
%f
3
C
3.14
3.14      17
Press any key to continue . . .

```