

#### Logic Building Assignment: 38

Create separate visual Studio project for each problem statement separately.

## 1. Write a program which accept string from user and print below pattern.

Input: "Marvellous"

**Output:** 

M	a	r	V	е			0	u	S
M	a	r	V	е	ı	T	0	u	S
M	a	r	V	е	ı	ı	0	u	S
М	a	r	V	е	I		o	u	s
M	a	r	V	е		1	0	u	S
M	а	r	V	е	1		0	u	S
M	a	r	V	е			0	u	S
M	а	r	v	e	ı	<b>J</b> i	0	u	S
M	а	r	V	е		1	0	u	S
M	а	r	v	е	I	4	0	u	s

Input: "PPA"

Output: P P A

P P A

P P A

#### **Solution:**

```
void Pattern(char *str)
{
    // Logic
}
```

Input: "Marvellous"

Output: Marvellous

Marvellou

Marvello

Marvel I

Marvel

Marve

M a r v

M a r

M a

M

Input: "PPA"

Output: P P A

P P

P

#### **Solution:**

void Pattern(char \*str)
{
 // Logic
}

Input: "Marvellous"

Output: M

M a

M a r

Mar v

Marve

Marv\_e I

Marvell

Marvello

Marvellou

Marvellou

Input: "PPA"

Output: P

P P

PPA

#### **Solution:**

void Pattern(char \*str)
{
 // Logic
}

S

Input: "Marvellous"

Output: M A R V E L L O U S

M A R V E L L O U S

M A R V E L L O U S

M A R V E L L O U S

MARVELLOUS

MARVELLOUS

M A R V E L L O U S

MARVELLOUS

M A R V E L L O U S

MARVELLOUS

Input: "PPA"

Output: P

P P

PPA

#### **Solution:**

void Pattern(char \*str)
{
 // Logic
}

Input: "Marvellous"

**Output:** 

m	а	r	V	е	ı	ı	0	u	S
m	а	r	V	е	I	ı	0	u	S
m	а	r	V	е	I	I	0	u	S
m	a	r	V	е		ı	0	u	S
m	а	r	V	е		1	0	u	S
m	a	r	V	_e	I	I	0	u	S
m	a	r	V	е	I		o	u	S
m	а	r	V	е	I	T	0	u	S
m	a	r	V	е		I	0	u	S
m	a	r	V	е			0	u	S

Input: "PPA"

Output: p

p p

p p a

**Solution:** 

```
void Pattern(char *str)
{
    // Logic
}
```

