

```

struct student
{
    int rollno;
    char name[20];
    int std;
    float marks;
};

```

```

struct student s1 = {
    .name = "abc",
    .std = 6,
    .rollno = 10,
    .marks = 76.5f
};

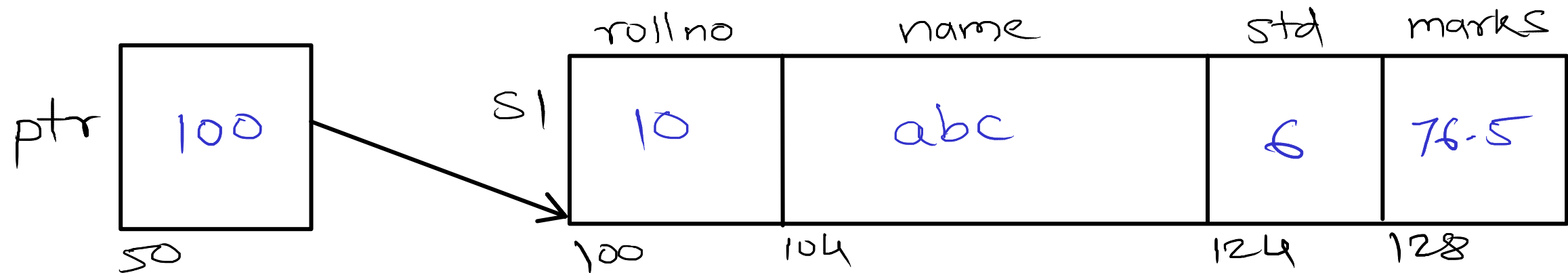
```

// tagged initialisation

```

struct student *ptr = &s1;

```



To access members through pointer variable use ' $\rightarrow$ ' operator.

```

ptr -> rollno = 10
ptr -> name = "abc"
ptr -> std = 6
ptr -> marks = 76.5

```

To access members of variable use '.' operator.

```

s1.rollno = 10
s1.name = "abc"
s1.std = 6
s1.marks = 76.5

```

	empid	name	address	email	mobile_no	doj		
						dd	mm	yyyy
emp	1	abc	pune	abc@fest.com	1234567890	22	09	2023
	100	104	124	144	164	184		

```

emp.empid = 1
emp.name = "abc"
emp.address = "pune"
emp.email = "abc@fest.com"
emp.mobile_no = "1234567890"
emp.doj.dd = 22
emp.doj.mm = 09
emp.doj.yyyy = 2023

```

	$p[0]$	$p[1]$	$p[2]$	$p[3]$																																
$P$	<table><tr><td>name</td><td>g</td><td>age</td><td>address</td></tr><tr><td>abc</td><td>M</td><td>27</td><td>pune</td></tr></table>	name	g	age	address	abc	M	27	pune	<table><tr><td>name</td><td>g</td><td>age</td><td>address</td></tr><tr><td>pqr</td><td>F</td><td>54</td><td>mumbai</td></tr></table>	name	g	age	address	pqr	F	54	mumbai	<table><tr><td>name</td><td>g</td><td>age</td><td>address</td></tr><tr><td>xyz</td><td>M</td><td>40</td><td>delhi</td></tr></table>	name	g	age	address	xyz	M	40	delhi	<table><tr><td>name</td><td>g</td><td>age</td><td>address</td></tr><tr><td>mno</td><td>F</td><td>35</td><td>pune</td></tr></table>	name	g	age	address	mno	F	35	pune
name	g	age	address																																	
abc	M	27	pune																																	
name	g	age	address																																	
pqr	F	54	mumbai																																	
name	g	age	address																																	
xyz	M	40	delhi																																	
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mno	F	35	pune																																	
	100	142	184	226																																

$p[0] \rightarrow 1^{\text{st}}$  person

$p[1] \rightarrow 2^{\text{nd}}$  person

$p[2] \rightarrow 3^{\text{rd}}$  person

$p[3] \rightarrow 4^{\text{th}}$  person

$p[i] \rightarrow (i+1)^{\text{th}}$  person

$p[0].\text{name} = \text{"abc"}$

$p[0].\text{gender} = \text{'M'}$

$p[0].\text{age} = 27$

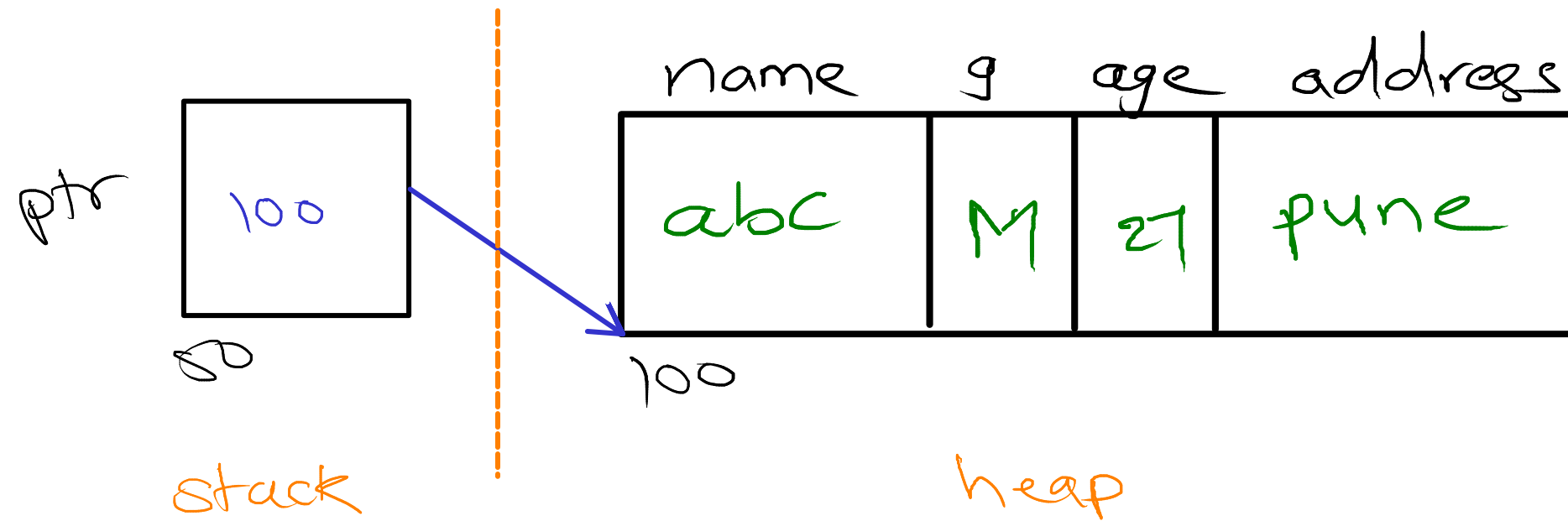
$p[0].\text{address} = \text{pune}$

$p[i].\text{name}$

$p[i].\text{gender}$

$p[i].\text{age}$

$p[i].\text{address}$



**union result**

{

float percent;

char grade;

};

**union result res;**

res



100

101

102

103

└── percent ──┘

└── grade ──┘