

### ➤ Personal info:

- **Name:** Mariam Mounir Abdellazim Salama
- **Department:** CS
- **Section:** 10 ➔ with **“Alaa Allah “**

### Rules:

- ❖ If a person has pain in the upper right side of the abdomen, this person often has gallstones, stomach ulcers or pancreatitis.
- ❖ If a person has pain in the upper part of the mediastinum in the abdomen, this person often has an ulcer, indigestion, reflux esophagitis or hernia pancreatitis
- ❖ If a person has pain in the upper left abdomen, this person often has duodenal ulcer, bile duct obstruction or pancreatitis.
- ❖ And so on in the rest of the parts

### ➤ Illustrative image of the project:-



## ➤ Code:-

Files	Edit	Run	Compile	Options	Setup
<div> <div>Line 11 Col 16 C:\ABDOMINAL_PAINS.PRO Inden</div> <div> <div>domains</div> <div>list=symbol*</div> <div>predicates</div> <div> <div>pain_place(symbol,list)</div> <div>clauses</div> <div> <div>pain_place("up right",Y):-Y=["Ulcers","Pancr</div> <div>pain_place("up middle",Y):-Y=["Sore","Indige</div> <div>pain_place("up left",Y):-Y=["Duodenal ulcer"</div> <div>pain_place("middle right",Y):-Y=["Gallstones</div> <div>pain_place("center",Y):-Y=["pancreatitis","U</div> <div>pain_place("middle left",Y):-Y=["Constipatio</div> <div>pain_place("down right",Y):-Y=["Constipation</div> <div>pain_place("down middle",Y):-Y=["Urinary tra</div> <div>pain_place("down left",Y):-Y=["Colon infiltr</div> </div> </div> </div> </div> <div> <div>center</div> <div>the possibility of your infected ==&gt;nl["pancreat itis","Umbilical hernia","Ulcer"]</div> <div>Where does your stomach ache from?</div> <div>center</div> <div>the possibility of your infected ==&gt;</div> <div>["pancreatitis","Umbili cal hernia","Ulcer"]</div> </div>					
<div>Message</div> <div>Compiling C:\ABDOMINAL_PAINS.PRO</div> <div>pain_place</div> <div>Compiling C:\ABDOMINAL_PAINS.PRO</div> <div>pain_place</div>			<div>Trace</div>		
F1-Help F2-Save F3-Load F5-Zoom F6-Next F7-Xcopy F8-Xedit F9-Compile F10-Menu					
Files	Edit	Run	Compile	Options	Setup
<div> <div>Line 18 Col 33 C:\ABDOMINAL_PAINS.PRO Inden</div> <div>clauses</div> <div> <div>pain_place("up right",Y):-Y=["Ulcers","Pancr</div> <div>pain_place("up middle",Y):-Y=["Sore","Indige</div> <div>pain_place("up left",Y):-Y=["Duodenal ulcer"</div> <div>pain_place("middle right",Y):-Y=["Gallstones</div> <div>pain_place("center",Y):-Y=["pancreatitis","U</div> <div>pain_place("middle left",Y):-Y=["Constipatio</div> <div>pain_place("down right",Y):-Y=["Constipation</div> <div>pain_place("down middle",Y):-Y=["Urinary tra</div> <div>pain_place("down left",Y):-Y=["Colon infiltr</div> </div> <div>goal</div> <div> <div>write("Where does your stomach ache from?"),</div> <div>pain_place(X,Y),write("the possibility of yo</div> </div> </div>					

center

the possibility of your infected ==>nl["pancreat itis","Umbilical hernia","Ulcer"]

Where does your stomach ache from?

center

the possibility of your infected ==>

["pancreatitis","Umbili cal hernia","Ulcer"]