

```
create extension vector;
```

```
-- Create a table to store your documents
```

```
create table documents (  
  id bigserial primary key,  
  content text, -- corresponds to Document.pageContent  
  metadata jsonb, -- corresponds to Document.metadata  
  embedding vector(1536) -- 1536 works for OpenAI embeddings, change if needed  
);
```

```
-- Create a function to search for documents
```

```
create function match_documents (  
  query_embedding vector(1536),  
  match_count int default null,  
  filter jsonb DEFAULT '{}'  
) returns table (  
  id bigint,  
  content text,  
  metadata jsonb,  
  similarity float  
)  
language plpgsql  
as $$  
#variable_conflict use_column  
begin  
  return query  
  select  
    id,  
    content,
```

```
metadata,  
  1 - (documents.embedding <=> query_embedding) as similarity  
from documents  
where metadata @> filter  
order by documents.embedding <=> query_embedding  
limit match_count;  
end;  
$$;
```